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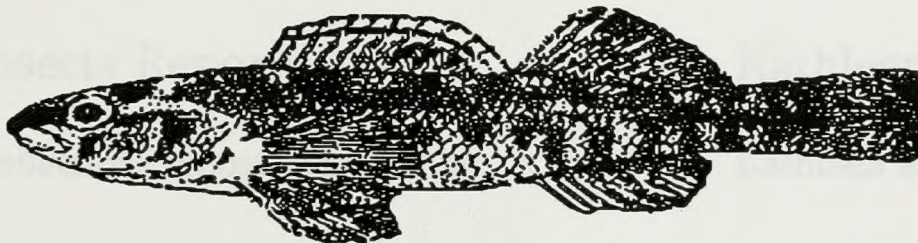
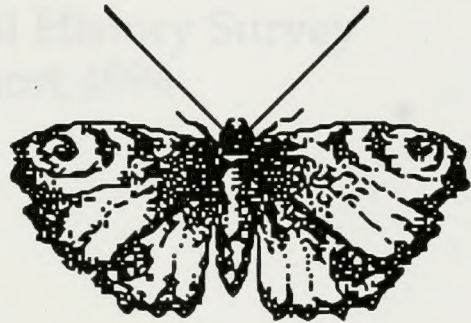
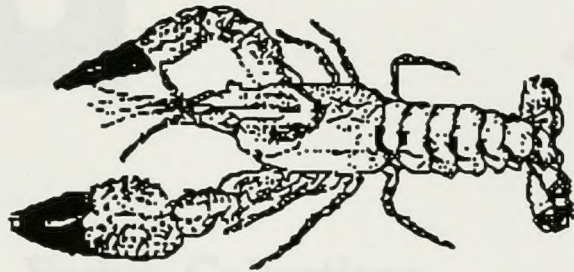






The Stephen A. Forbes Collections  
1858 - 1994  
at the Illinois Natural History Survey

\*\*\*\*\*



Annual Report 1994





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Natural History

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# INHS



The Stephen A. Forbes Collections  
1858 - 1994  
at the Illinois Natural History Survey  
Annual Report 1994

Herbarium Report:

Loy R. Phillippe

Crustacean, Fish, Mammals  
Amphibians & Reptiles,  
& Mollusks Reports:

Christine A. Mayer

Insects Report:

Kathleen R. Methven

Collections report compiled by:

Kathleen R. Methven





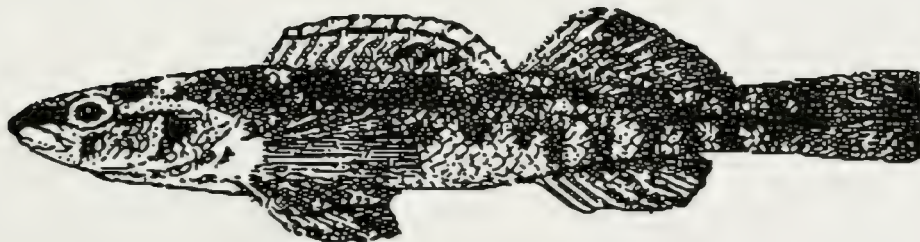
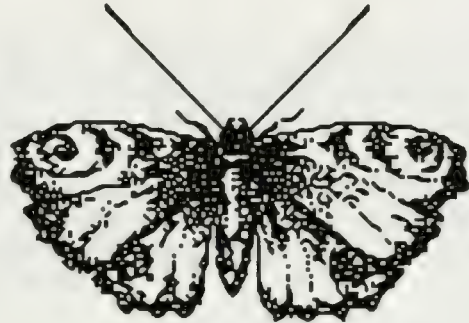
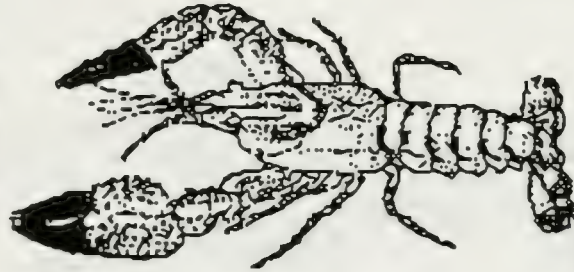
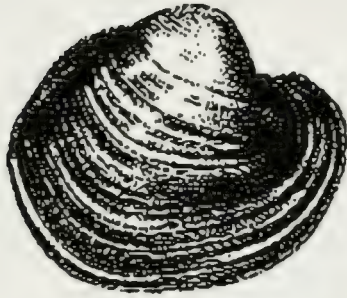
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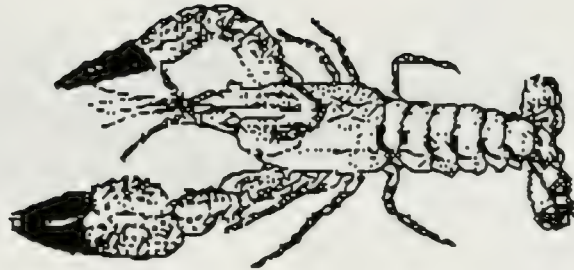
# Description of Collections





## Description of Collections

### Crustaceans



The INHS Crustacean Collection is one of the largest state collections in North America. A few specimens now housed in the collection were collected in the late 1800's by Stephen A. Forbes. They formed the basis for the first article to appear in the Survey's Bulletin "List of Illinois Crustacea." Another large part of the collection was accumulated during the first half of the 1900's in conjunction with the insect surveys organized by Herbert H. Ross. However, most of the specimens were collected between 1972 and 1982 as part of the statewide survey that led to the publication in 1985 of "The Crayfishes and Shrimps (Decapoda) of Illinois" by Lawrence M. Page. The collection contains primary types of five species.

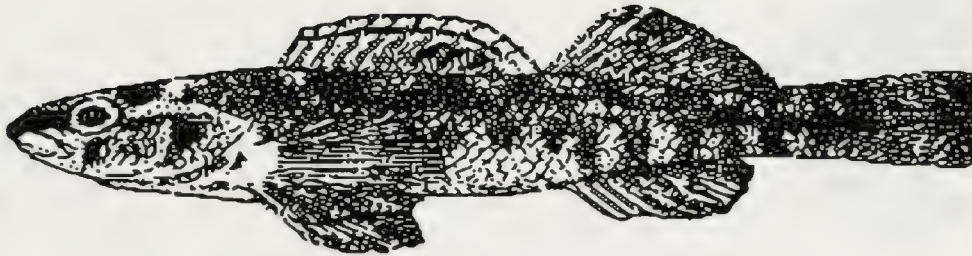
The INHS Crustacean Collection contains about 50,000 specimens of approximately 200 species in 15 families. Almost all are from North America. About 75% of the collection is from Illinois; the remainder is mostly from the southeastern United States. The best represented groups are crayfishes, shrimps, scuds, slaters, and pill bugs.





## Description of collections continued...

### Fish



A large part of the fish collection comes from specimens collected from 1880 to 1905 for S.A. Forbes and R.E. Richardson's "The Fishes of Illinois" published in 1908 and from specimens collected from 1950 to 1978 for P.W. Smith's "The Fishes of Illinois" published in 1979. Thousands of specimens have been added from other areas of North and South America in the past few decades. We now have collections from 47 of the 50 states and many countries including: Angola, Antigua, Brazil, Canada, Colombia, Costa Rica, England, Indonesia, Lebanon, Mexico, Panama, Paraguay, Peru, Puerto Rico, Romania, Thailand, USSR, Venezuela, Pakistan, and Yugoslavia. Important acquisitions in the past few years include a large part of Dr. Peter Bayley's collections of fishes from the Amazon River basin, Brazil, and the Fish Collection formerly housed at Southern Illinois University at Edwardsville. The geographic scope of the collection is about 50% from Illinois, 30% from elsewhere in North America, 18% from South America, and 2% from the rest of the world.

The collection contains approximately 674,000 catalogued specimens, which makes it about the 15th largest collection of preserved fishes, and the 6th largest collection of Neotropical fishes in North America. Represented are 146 families and over 1,600 species. The value of the collection is greatly enhanced by the large number of old specimens, many of which were collected in the late 1800's from areas where they no longer occur. The collection contains primary types of 25 species and subspecies. Unlike most of the large museums in North America, there is no significant backlog of unprocessed specimens waiting to be catalogued and put into the collection.





## Description of collections continued...

### Amphibians & Reptiles



The INHS Herpetological Collection contains about 12,000 catalogued specimens representing approximately 550 species in 47 families and contains primary types of two species. The majority of the specimens were collected in Illinois and the Midwest, but several other North American and Asian species are represented. Most of the specimens were collected by P.W. Smith during the completion of his comprehensive study "The Amphibians and Reptiles of Illinois," published in 1961.



## Description of collections continued...

### Herbarium



The Illinois Natural History Survey (ILLS) Botanical Collection is composed of four distinct groups: vascular plants, fungi, algae and bryophytes totalling more than 234,617 accessioned specimens. The vascular plants, algae and bryophytes are mostly collected from the United States and predominantly from Illinois. The Fungi are mostly collected from throughout the United States and Canada with a large pathological collection from Illinois, a large aquatic collection from the southeastern United States, and a smaller collection from the neotropics. The Botanical Collection contains 333 types, 192 holotypes and 141 isotypes and/or paratypes. The holotypes are predominantly fungi (191 holotypes) with only a single holotype in the vascular plants. The isotypes and/or paratypes are also predominantly fungi (139 ) with only two in the vascular plants.

The ILLS botanical collections are the third largest in Illinois; the Field Museum (F) in Chicago is the largest (2,415,000) and the University of Illinois (ILL) in Urbana is the second largest (520,000). Nationally, out of more than 500 herbaria, the ILLS herbarium ranks forty-seventh, the ILL herbarium ranks twenty-first, and the F herbarium ranks fourth. If ILLS and ILL were to combine, the result would rank fifteenth nationally.





## Description of collections continued...

### Insects



The insect collection at the Survey now houses over 6,000,000 curated specimens. The growth and wide-ranging scope of this collection can be credited to the diverse interests of the systematists who have spent all or part of their career at the Survey. Scientists such as Stephen A. Forbes, the first director of the State Laboratory and chief of the Natural History Survey; Theodore Frison, who succeeded Forbes; and H. H. Ross, who directed the intense systematics studies of the faunistic section for 40 years, placed considerable emphasis on enlarging the insect collection. These insects document the changing landscape and environmental conditions of the world.

The INHS insect collection is one of the largest in North America. The most recent size estimate was done in 1992. The heavy concentration of specimens from the last third of the 1800s also makes this one of North America's oldest insect and related arthropod collections.

The oldest, dated specimen in the insect collection is a stonefly *Alloperla roberti* collected in 1860. This specimen comes from the collection of Benjamin Dann Walsh. Walsh, a classmate of Charles Darwin at Cambridge, was Illinois' first state entomologist. Walsh was one of the premier entomologists in the nation at this time. The B. D. Walsh collection was purchased by the state in 1870. In 1871 it was moved to the Chicago Academy of Sciences for safe-keeping. That was the year of the infamous Chicago fire. The collection was destroyed. The few remaining specimens come from the synoptic collection he had retained in Springfield.

The INHS Insect Collection includes more than 13,000 primary types (syntypes inclusive). Because of size, historical holdings, and wide breadth of coverage in certain groups, the collection is an important national and worldwide resource.



## Description of Collections cont...

### Mammals



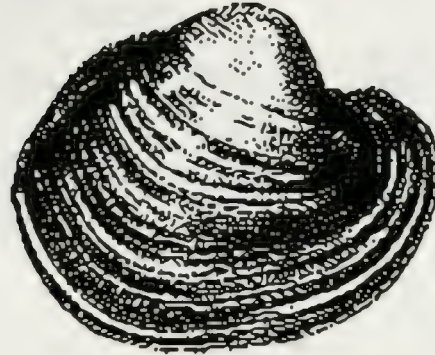
The INHS Mammal Collection is essentially a synoptic collection of Illinois species. The 984 catalogued specimens (skins and skulls combined) of 91 species from 21 families are used as comparative material to identify specimens brought to the Survey. Eighty-four percent of the collection is from Illinois. Most of the specimens were collected between 1930 and 1950 in Illinois and surrounding states.





## Description of Collections cont...

### Mollusks



The INHS Mollusk Collection contains over 87,000 catalogued specimens, almost all of which were collected in Illinois and the southeastern United States. The collection is 87% freshwater species (mussels, fingernail clams, and snails) and 13% terrestrial species (snails). Most of the specimens were collected as a result of various faunal surveys conducted by INHS biologists from the late 1800's until the present. The early collections were made by such naturalists as John W. Powell, Robert Kennicott, Richard E. Call, William A. Nason, Frank C. Baker, Robert E. Richardson, and Charles A. Hart.

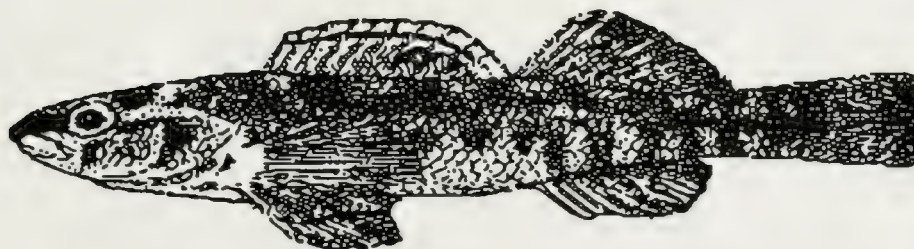
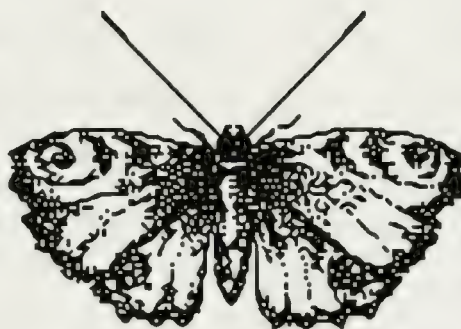
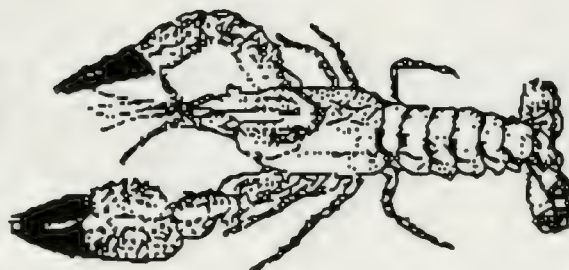
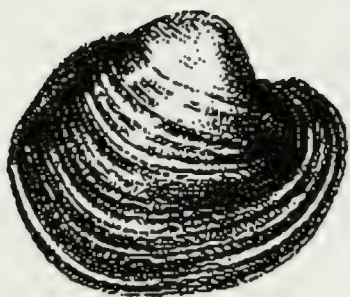
The largest components of the INHS mollusk collection are the Max R. Matteson collection of over 20,000 freshwater mussels from a statewide survey conducted in the 1950's and the William C. Starrett collection of freshwater mussels collected for a study entitled "A Survey of the Mussels (Unionacea) of the Illinois River: A Polluted Stream" published by INHS in 1971. These specimens form an important historical database from which biologists can document changes in present day mussel populations. Mussel surveys conducted by INHS biologists in the 1980's have added many specimens and helped in preparing a list of endangered mollusks for Illinois.

The freshwater mussels number over 71,000 catalogued specimens (>17,000 lots) and approximately 18,000 uncatalogued specimens. Included among these are representatives of many species now considered rare or endangered by either the state or federal government. Most of the specimens were collected in Illinois (63%), and the collection is one of the largest state collections of freshwater mussels in the United States.

The snails are divided between terrestrial (13%) and freshwater (5%) species, most of which were collected over 50 years ago. The largest and best documented collection of snails at the Survey was compiled by Thural D. Foster and organized by Frank C. Baker as part of his study on the "Landsnails of Illinois" published in 1939. The Baker snail collection numbers 1632 lots containing 11,970 specimens.



# Collections Staff

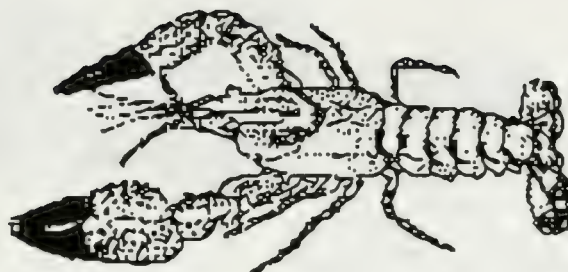






## Collections Staff

### Crustaceans

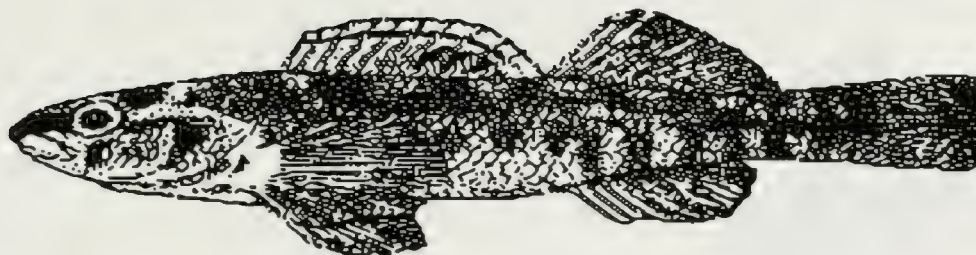


|                      |                       |
|----------------------|-----------------------|
| Curator :            | Lawrence M. Page      |
| Assistant Curator:   | Christopher A. Taylor |
| Collections Manager: | Kevin S. Cummings     |
| Database Manager:    | Christine A. Mayer    |



## Collections Staff continued...

## Fish



## Survey Staff

|                         |                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------|
| Curator:                | Lawrence M. Page                                                                        |
| Collections Manager:    | Kevin S. Cummings                                                                       |
| Database Manager:       | Christine A. Mayer                                                                      |
| Affiliate Appointments: | Brooks M. Burr, Southern Illinois University -<br>Carbondale                            |
| Graduate Students:      | Jon Armbruster, Pat Ceas, Chris Laird, Gabriella<br>Mottes, Mike Retzer, and Mark Sabaj |





## Collections Staff continued...

### Herbarium



#### Survey Staff of the Herbarium

|                                 |                                                                                                       |
|---------------------------------|-------------------------------------------------------------------------------------------------------|
| Chief of Survey:                | Lorin I. Nevling (Thymelaeaceae; flora of Veracruz).                                                  |
| Plant Pathologist:              | Weidong Chen (Systematics of plant pathogenic fungi).                                                 |
| Mycologist:<br>(Curator)        | J. Leland Crane (Ascomycetes; fungi imperfecti).                                                      |
| Plant Systematist:<br>(Curator) | Steven R Hill (Malvaceae: flora of eastern U.S.; neotropics esp. Dominica).                           |
| Plant Systematist:<br>(Curator) | Geoffrey A. Levin (Euphorbiaceae; Midwestern flora; flora southwestern U.S. & Mexico).                |
| Collections Manager:            | Loy R. Phillippe ( <i>Sanicula</i> , Apiaceae; Illinois flora).                                       |
| Plant Systematist:<br>(Curator) | Kenneth R. Robertson (Rosaceae; Amaranthaceae; <i>Jacquemontia</i> , Convolvulaceae; Illinois flora). |
| Plant Ecologist:                | Mark W. Schwartz (fire ecology & forest ecology).                                                     |
| Collections Assistant:          | Jennifer A. Tate (Ethnobotany).                                                                       |

#### Associated Staff of the Herbarium

|                           |                             |
|---------------------------|-----------------------------|
| Robert A. Evers, Emeritus | (Flora of Illinois)         |
| John E. Ebinger           | (Flora of Illinois)         |
| Jean D. Schoknecht        | (Myxomycetes, Discomycetes) |

#### Part-time Staff of the Herbarium

|              |                       |
|--------------|-----------------------|
| Betty Nelson | Data entry personnel. |
|--------------|-----------------------|



## Collections Staff continued...

### Amphibians & Reptiles



#### Survey Staff

Curator:

Christopher A. Phillips

Collections Manager:

Kevin S. Cummings

Database Manager:

Christine A. Mayer

Affiliate Appointments:

Ronald Brandon, Southern Illinois University -  
Carbondale

Edward O. Moll, Eastern Illinois University -  
Charleston

Graduate Student:

Frank Burbrink





## Collections Staff continued...



### Survey Staff of the Insect Collection

#### Curators of Insects:

W. E. LaBerge  
D. W. Webb  
D. J. Voegtlin

Andrenidae, Hymenoptera - 1 July 1994 - Emeritus  
Diptera, Plecoptera  
Aphididae, Homoptera

#### Collection Manager:

K. R. Methven

Araneae

### Affiliates and Associated Staff of the Insect Collection

J. G. Sternburg, Emeritus  
J. E. McPherson  
T. G. Marsh  
M. B. DuBois  
J. D. Unzicker  
R. R. Irwin  
W. U. Brigham  
W. G. Ruesink  
M. E. Irwin  
J. K. Bouseman

Lepidoptera  
Hemiptera  
Bryozoans  
Hymenoptera  
Trichoptera, Araneae  
Lepidoptera  
Coleoptera: Haliplidae  
Coleoptera: Chrysomelidae  
Diptera: Therevidae  
Coleoptera, Hymenoptera: Andrenidae,  
Hemiptera: Reduviidae, Acari  
Hymenoptera  
Plecoptera

D. Yanega  
M. A. Harris

### Part-time Staff of the Insect Collection

S. Driesner, hourly  
B. Fuller, hourly  
M. Marroquin, work study student



## Collections Staff continued...

### Mammals



#### Survey Staff

Acting Curator : Joyce E. Hofmann

Collections Manager: Kevin S. Cummings

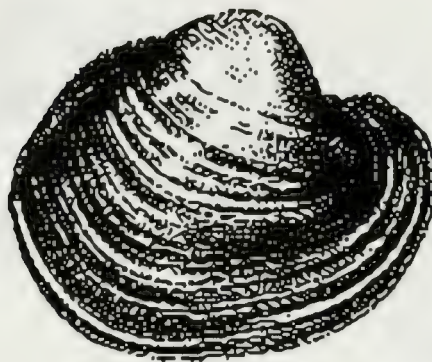
Database Manager: Christine A. Mayer





## Collections Staff continued...

### Mollusks



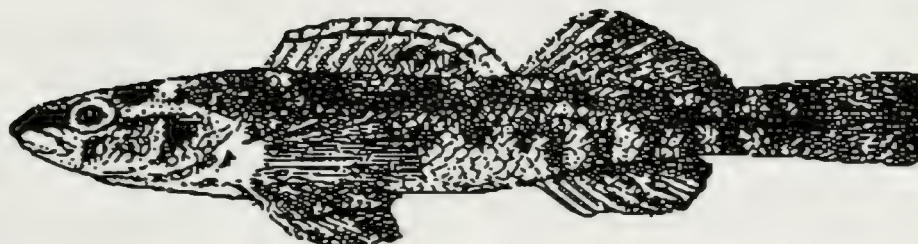
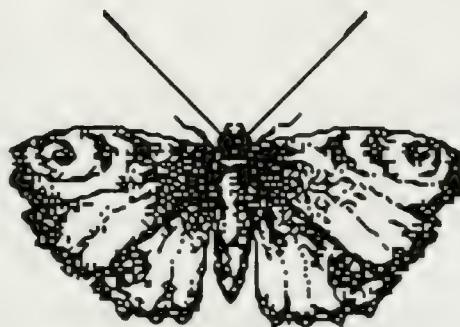
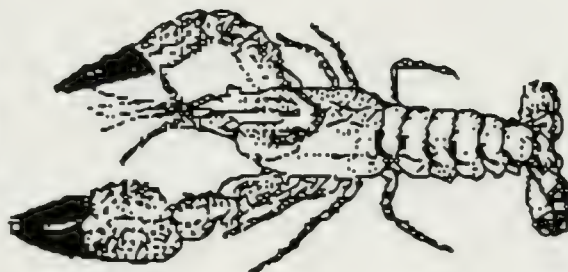
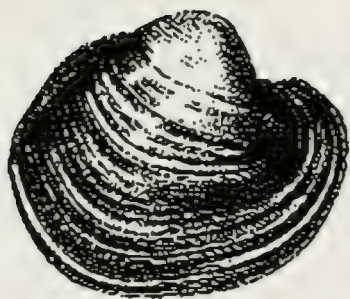
#### Survey Staff

Curator/Collections Manager: Kevin S. Cummings

Associate Collections Manager: Christine A. Mayer



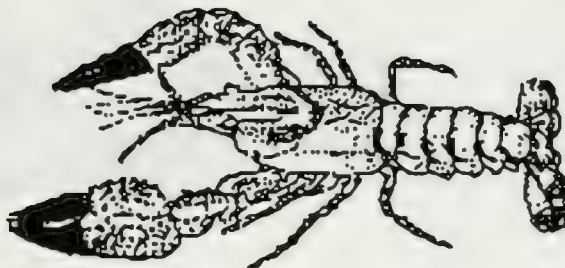
# Physical Facilities





# Physical Facilities

## Crustaceans



### 1. Area Occupied

#### A. Collection:

The crustacean collection is temporarily housed in the basement hallway. Compacted storage units are being installed in room 73 and should be completed during the summer of 1995.

Total space occupied by the collection is 144 square feet.

#### B. Collection Management:

The collection management space in rooms 87 and 91 is shared with the mollusk, fish and herpetological collections.

Room 87: 80 square feet

Total space occupied for collection management is 180 square feet.

#### C. Offices:

Room 287: 48 square feet

Total space being occupied for offices is 48 square feet.

#### D. Research:

Research and collection management occupy the same space in rooms 87 and 91.

Total space occupied for research space is zero additional square feet.

#### E. Summary:

|                                 |                 |
|---------------------------------|-----------------|
| Collection:                     | 144 square feet |
| Collection Management/Research: | 180 square feet |
| Offices:                        | 48 square feet  |
| Total:                          | 372 square feet |

### 2. Storage Methods

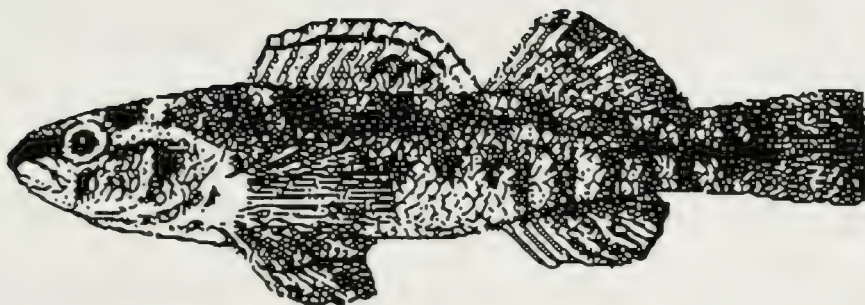
The crustaceans are stored in 70% ethanol in glass jars with polypropylene lids and polyethylene liners. The jars are kept in wooden trays in eight metal storage cabinets in the basement hallway. The collection was placed in the hallway due to the current renovation of the Natural Resources Building.





## Physical Facilities continued...

## Fish

**1. Area Occupied****A. Collection:**

The fish collection is housed in room 87 and the types are in room 91. During the summer and fall of 1995, the collection will be moved into the basement hallway while compacted storage units are being installed in room 87.

Room 87: 1115 square feet

Room 91: 8 square feet

Total = 1123 square feet.

**B. Collection Management:**

The collection management space in rooms 87 and 91 is shared with the mollusk, crustacean, and herpetological collections.

Room 87: 80 square feet

Room 91: 200 square feet

Total space occupied for collection management is 280 square feet.

**C. Offices:**

Room 91: 70 square feet

Total space being occupied for offices is 70 square feet.

**D. Research:**

Research and collection management occupy the same space in rooms 87 and 91. Total space occupied for research space is zero additional square feet.



## Physical Facilities continued...

Fish

### E. Summary:

|                                 |                  |
|---------------------------------|------------------|
| Collection:                     | 1123 square feet |
| Collection Management/Research: | 280 square feet  |
| Offices:                        | 70 square feet   |
| Total:                          | 1473 square feet |

## 2. Storage Methods

Specimens are stored in 70% ethyl alcohol in glass jars with polypropylene lids and polyethylene liners. The jars are housed in wooden trays in metal cabinets with doors to prevent deterioration of the specimens by light. Specimens too large to be placed in jars are stored in 70% ethanol in large (2-5 gallon) glass bell jars, polyethylene open-head eight gallon drums, or stainless steel tanks. We have recently begun shifting tagged material from the large glass jars to polyethylene drums. About 200 specimens have been cleared and stained for study of bones and cartilage and are stored in glycerin.





## Physical Facilities continued...

### Herbarium



#### 1. Area Occupied (Collections, Collections Management, Offices, Research):

##### A. Collections:

The fungus collection is in room 275, room 273, and a portion of the hallway on the third floor. The vascular plant, algae and bryophyte collections are in room 396 with additional vascular plants in room 395.

|           |                                                             |
|-----------|-------------------------------------------------------------|
| Room 275: | 260 square feet occupied by collections.                    |
| Room 273: | 207 of 310 square feet occupied by collections.             |
| Hallway:  | 50 square feet of hallway occupied by collections.          |
| Room 396: | 1419 of 1892 square feet occupied by collections.           |
| Room 395: | 121 of 242 square feet used for vascular plant collections. |

Total space occupied by collections is 2057 square feet.

##### B. Collections Management:

|           |                                                        |
|-----------|--------------------------------------------------------|
| Room 395: | 121 of 242 square feet used for collection management. |
|-----------|--------------------------------------------------------|

Total space occupied for collection management is 121 square feet.

##### C. Offices:

Office space for individuals associated with the herbarium is in rooms 396, 393, 384, 383, 382, 381, 380 and 379.

|           |                                                                           |
|-----------|---------------------------------------------------------------------------|
| Room 396: | John Taft & Marilyn Morris, 237 square feet used for offices.             |
| Room 393: | Kenneth R. Robertson office 131 of 263 square feet used for office space. |
| Room 384  | Loy R. Phillippe office 197 square feet used for office space.            |
| Room 383  | Weidong Chen office 208 square feet used for office space.                |
| Room 382  | Mark W. Schwartz 161 square feet used for office space.                   |
| Room 381: | J.L. Crane office 92 of 185 square feet used for office space.            |



## Physical Facilities continued...

### Herbarium

Room 380            Geoffrey A. Levin office 175 square feet used for office space.

Room 379:           Steven R. Hill 161 square feet used for office space.

Total space being occupied for office space is 1362 square feet.

#### D. Research:

The research space for individuals associated with the herbarium are in rooms 396, 393, 381, 377, 375, 374, 273 & 93.

Room 396:           Various workers; 236 of 1892 square feet used for research.

Room 393:           Kenneth R. Robertson; 132 of 263 square feet used for research.

Room 381:           J.L. Crane; 93 of 185 square feet used for research.

Room 377:           J.L. Crane; 320 square feet used for research.

Room 375:           Weidong Chen; 590 square feet used for research.

Room 374:           Jeff Levin; 560 square feet used for research.

Room 273:           J.L. Crane; 103 of 310 square feet used for research.

Room 93:            Weidong Chen; 520 square feet used for research.

Total space occupied for research space is 2554 square feet.

#### 5. Summary:

|                        |                  |
|------------------------|------------------|
| Collections:           | 2554 square feet |
| Collection Management: | 0121 square feet |
| Offices:               | 1362 square feet |
| Research:              | 2057 square feet |
| Total:                 | 6094 square feet |

## 2. Storage methods

The vascular plant collection is the largest with about 181,033 dried and labeled plants mounted on 11.5" X 16.5" herbarium paper. The fungi collection is the second largest with about 51,612 dried fungi in 8" X 5" paper packets. The bryophyte and algae collections are the smallest with about 1,898 dried bryophytes and 74 dried algae in 8" X 5" paper packets. All collections are maintained in storage units. The vascular plants are stored in 127 full size herbarium cases and 11 half size herbarium cases. The fungi are stored in 41 full size herbarium cases and the bryophytes are stored in 2 half size files. The storage units for the bryophytes, algae, and vascular plants are in two rooms that have 2134 square feet. The fungi collections occupy two rooms that have 570 square feet and 50 square feet of the hallway on the third floor. The specimens were fumigated with pyrethrum to kill insects in the Spring and again in the Fall of 1994.



# Physical Facilities continued...

## Amphibians & Reptiles



### 1. Area Occupied:

#### A. Collection:

The herp collection is temporarily housed in the basement hallway. Compacted storage units are being installed in room 73 and should be completed during the summer of 1995.

|           |                 |
|-----------|-----------------|
| Hallway:  | 380 square feet |
| Room 73a: | 16 square feet  |
| Room 79:  | 100 square feet |

Total space occupied by the collection is 380 square feet.

#### B. Collection Management:

The collection management space in rooms 87 and 91 is shared with the mollusk, fish, and crustacean collections.

|          |                 |
|----------|-----------------|
| Room 87: | 80 square feet  |
| Room 91: | 100 square feet |

Total space occupied for collection management is 180 square feet.

#### C. Offices:

|           |                |
|-----------|----------------|
| Room 284: | 30 square feet |
|-----------|----------------|

Total space being occupied for offices is 30 square feet.





# Physical Facilities continued...

## Amphibians & Reptiles

### D. Research:

Research and collection management occupy the same space in rooms 87, 91, and 284.

Total space occupied for research space is zero additional square feet.

### E. Summary:

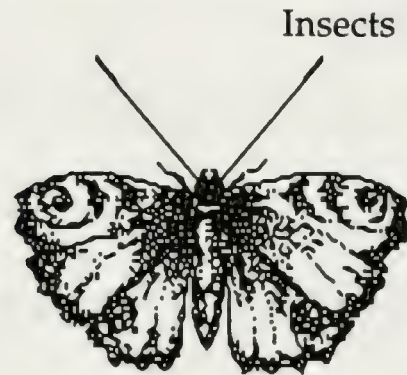
|                                 |                 |
|---------------------------------|-----------------|
| Collection:                     | 496 square feet |
| Collection Management/Research: | 180 square feet |
| Offices:                        | 30 square feet  |
| Total:                          | 706 square feet |

## 2. Storage Methods:

The amphibians and reptiles are stored in 70% ethanol in glass jars with polypropylene lids and polyethylene liners. The jars are stored in wooden trays in twelve metal storage cabinets in the basement hallway. Dry specimens are also located in the metal cabinets. The collection was placed in the hallway due to the current renovation of the Natural Resources Building. The larger specimens are stored in 70% ethanol in polyethylene open-head eight gallon drums, large (2-5 gallon) glass bell jars, and two stainless steel tanks.



## Physical Facilities continued...



### 1. Area Occupied (Collections, Collections Management, Offices, Research):

#### A. Collections:

The insect slide collection is in room 285, room 296 holds both pinned and wet collections, and 291 contains wet collections, as does a portion of the hallway on the second floor. Additional collections can be found in rooms; 280, 295, 296A, and 296B

|            |                                                     |
|------------|-----------------------------------------------------|
| Room 285:  | 68 of 252 square feet occupied by collections.      |
| Room 296:  | 1165 of 1165 square feet occupied by collections.   |
| Hall way:  | 75 square feet of hallway occupied by collections.  |
| Room 291:  | 577.5 of 676.5 square feet occupied by collections. |
| Room 280:  | 5 of 174 square feet occupied by collections        |
| Room 295:  | 70 of 313 square feet occupied by collections       |
| Room 296A: | 10 of 217.5 square feet occupied by collections     |
| Room 296B: | 10 of 217.5 square feet occupied by collections     |
| Room 296C: | 10 of 217.5 square feet occupied by collections     |

Total space occupied by collections is 1990.5 square feet.

#### B. Collection Management:

Room 285: 62 of 252 square feet used for collection management.

Total space occupied for collection management is 62 square feet.



## Physical Facilities continued...

### Insects

#### C. Offices:

Office space for individuals associated with the insect collection is in rooms 285, 280, 296A, 295, 291, 296C

- Room 285: K. R. Methven office (Collection Manager) 61 of 252 used for office space
- Room 280: D. J. Voegtlin office (Insect Curator) 84.5 of 174 square feet used for office space.
- Room 282: C. Dietrich office (Insect Curator) 174 square feet used for office space.
- Room 296A: W. E. LaBerge office (Insect Curator) 104.5 of 217.5 square feet used for office space.
- Room 295: D. W. Webb office (Insect Curator) 121.5 of 313 square feet used for office space.
- Room 291: D. Yanega (Post-Doc) 49.5 of 99 square feet used for office space.
- Room 296C: J. Bouseman office (Insect Curator) 104.5 of 217.5 sq. ft.

Total space being occupied for office space is 699.5 square feet.

#### D. Research:

The research space for individuals associated with the insect collection are in rooms 296B, 285, 280, 296A, 71, 295, 291

- Room 285: K. Methven (Collection Manager) office 61 of 252 square feet used for research.
- Room 280: D. Voegtlin (Insect Curator) office 84.5 of 174 square feet used for research.
- Room 296A: W. E. LaBerge office (Insect Curator) 103 of 217.5 square feet used for research.
- Room 296B: Insect Collection Packing Room 207.5 of 217.5 square feet used for research.
- Room 295: D. Webb office (Insect Curator) 121.5 of 313 square feet used for research.
- Room 71: D. Voegtlin (Insect Curator) laboratory 253 square feet used for research





## Physical Facilities continued...

### Insects

Room 291: D. Yanega (Post-Doc) 49.5 square feet used for research

Room 296C: J. Bouseman office (Insect Curator) 103 of 217.5 sq. ft.

Total space occupied for research space is 1080.5 square feet.

#### E. Summary:

|                        |                     |
|------------------------|---------------------|
| Collections:           | 1990.5 square feet  |
| Collection Management: | 62 square feet      |
| Offices:               | 699.5 square feet   |
| Research:              | 1080.5 square feet  |
| Total:                 | 3,832.5 square feet |

## 2. Storage Methods

The dry-stored insects are mounted on pins, placed in cardboard unit trays with ethafoam bottoms, then housed in wooden glass topped drawers. The drawers are primarily stored in two sets of compactors housed in room 296 of the Natural Resources Building. The wet specimens (material stored in 70% ethanol) are stored in 3 dram glass vials with neoprene stoppers. The vials are placed in wooden vial racks. The vial racks occupy 425 shelves in the west end compactor and 275 shelves (each shelf holds up to 17 vial racks, each vial rack holds up to 17-21 vials) in the east end compactor. The wet specimens are also stored in 62 metal cabinets ranging from 36-40" length, 18-20" width and 78-80" in height. These cabinets are located in rooms 291, 285, 295, 296A, and the 2nd floor hallway of NRB. The slide collection is stored in 1,166 wooden slide boxes in room 285 and 342 slide boxes in 295. These slide boxes hold up to 100 slides. An additional 15,000 -20,000 slides are stored in room 280 in open trays within a wooden cabinet.



## Physical Facilities continued...

### Mammals



#### 1. Area Occupied:

##### A. Collection:

The mammal collection is housed in two cabinets in the basement hallway.

Hallway: 24 square feet

Total space occupied by the collection is 24 square feet.

##### B. Collection Management:

None

Total space occupied for collection management is 0 square feet.

##### C. Offices:

None

Total space being occupied for offices is 0 square feet.

##### D. Research:

None

Total space occupied for research space is 0 square feet.

##### E. Summary:

|                                 |                |
|---------------------------------|----------------|
| Collection:                     | 24 square feet |
| Collection Management/Research: | 0 square feet  |
| Offices:                        | 0 square feet  |
| Total:                          | 24 square feet |

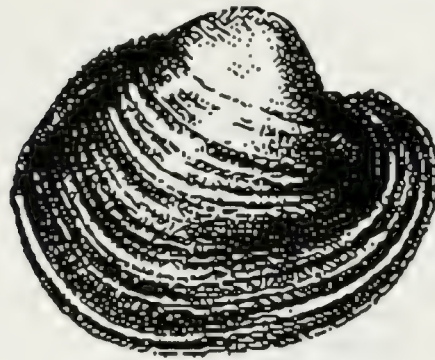
#### 2. Storage Methods:

The mammals are stored in wooden drawers which fit in metal cabinets. All of the specimens are tagged and some are in open unit trays with stand-up labels for easy access to information without excessive handling of the specimens. The cabinets are housed in the basement hallway. Naphthalene is currently being used to keep pests out.



## Physical Facilities continued...

### Mollusks



#### 1. Area Occupied:

##### A. Collection:

The mollusk collection is housed in rooms 61 and 79 and the adjacent hallway in the basement. Compacted storage units are being installed in room 73 and should be completed during the summer of 1995. All of the specimens stored in alcohol will be moved from the hallway into room 73 at that time.

Room 61: 750 square feet

Room 79: 120 square feet

Hallway: 90 square feet

Total space occupied by the collection is 960 square feet.

##### B. Collection Management:

The collection management space in room 87 is shared with the fish, herpetological, and crustacean collections.

Room 61: 40 square feet

Room 87: 80 square feet

Total space occupied for collection management is 120 square feet.

##### C. Offices:

Room 61: 170 square feet

Total space being occupied for offices is 170 square feet.





## Physical Facilities continued...

### Mollusks

#### D. Research:

Research and collection management occupy the same space in rooms 61 and 87.

Total space occupied for research space is zero additional square feet.

#### E. Summary:

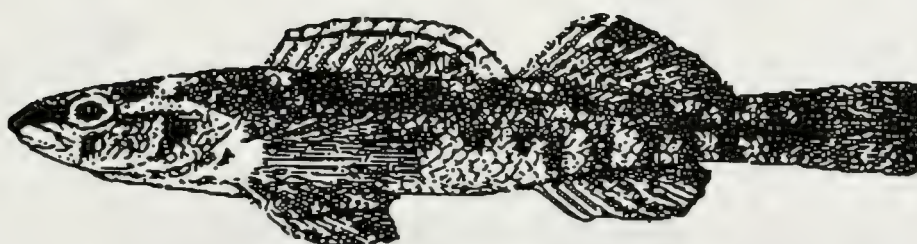
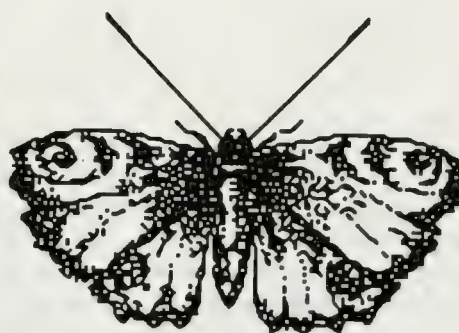
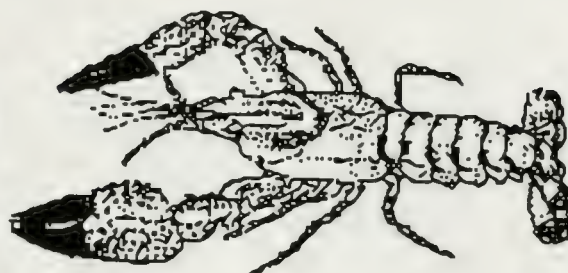
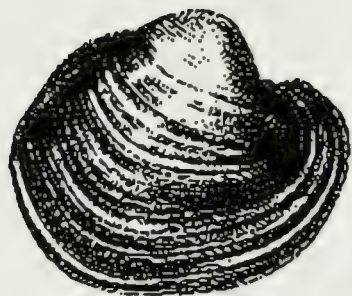
|                                 |                  |
|---------------------------------|------------------|
| Collection:                     | 960 square feet  |
| Collection Management/Research: | 120 square feet  |
| Offices:                        | 170 square feet  |
| Total:                          | 1250 square feet |

## 2. Storage Methods:

The dry mussel shells are stored in open unit trays with stand-up labels for easy access to information without excessive handling of the specimens. The trays are kept in wooden drawers which fit in metal cabinets. Large series of mussel shells are stored in cardboard boxes and placed on steel shelving units. The wet specimens are stored in 70% ethanol in glass jars with polypropylene lids and polyethylene liners. Over 22,000 soft parts (bodies removed from shells) of more than 130 species have been preserved and are available for study. Each soft part has been individually tagged and can be matched with the appropriate shell. The wet aquatic snails are stored in 70% ethanol in glass jars with polypropylene lids and polyethylene liners. All of the wet snail specimens are kept in metal storage cabinets in the basement hallway. The dry aquatic snails are stored in glass shell vials in built-in wooden cabinets in wooden drawers. The landsnails are stored in glass shell vials in an Interior Steel specimen cabinet with metal drawers.



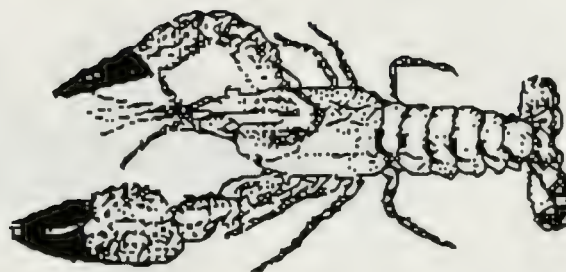
# Growth





## Growth

### Crustaceans



#### A. Locality:

In 1994, 376 lots representing 2089 specimens of 69 species were added to the collection. Specimens were obtained from 21 states and Venezuela: Alabama 7 lots (18 specimens), Arkansas 18 (93), California 10 (26), Florida 13 (142), Illinois 85 (370), Indiana 3 (22); Kentucky 47 (261), Michigan 1 (2), Mississippi 22 (93), Missouri 32 (178), New Mexico 2 (9), New York 2 (11), North Carolina 4 (26), Ohio 11 (21), Oklahoma 2 (9), Oregon 1 (2), Tennessee 104 (681), Texas 2 (5), Virginia 7 (15), Wisconsin 2 (14) and Venezuela 1 (91).

#### B. Numbers of Specimens:

|       | <u>New Specimens</u> | <u>Total Specimens in Collection</u> | <u>New Lots</u> |
|-------|----------------------|--------------------------------------|-----------------|
| 1990  | NA                   | 27,279                               | NA              |
| 1991  | 8154                 | 35,433                               | 1013            |
| 1992  | 1004                 | 36,437                               | 29              |
| 1993  | 918                  | 37,355                               | 146             |
| 1994  | 2089                 | 39,454                               | 376             |
| Total |                      | 39,454                               | 4937            |

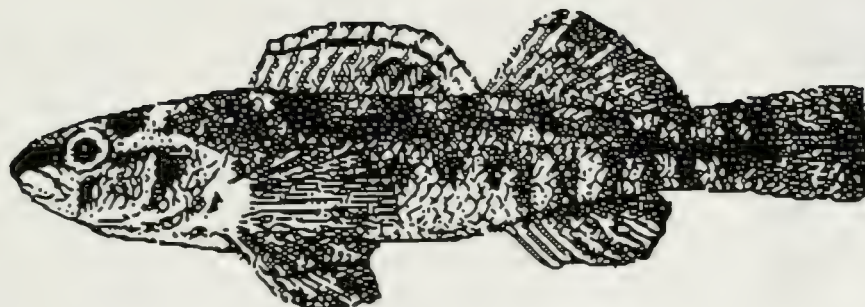
1564 accessioned lots over the last four years or 391 lots per year  
 12,165 accessioned specimens over the last four years or 3041 specimens per year





## Growth continued...

## Fish



## A. Locality:

In 1994, 2662 lots containing 18,885 specimens of 510 species were added to the collection. Specimens were obtained from 23 states, Puerto Rico, and seven other countries: Alabama 37 lots (224 specimens), Arizona 29 (795), Arkansas 28 (375), California 88 (1557), Florida 65 (272), Georgia 1 (1), Illinois 782 (4803), Indiana 15 (53), Iowa 1 (2), Kansas 1 (4), Kentucky 119 (772), Minnesota 1 (5), Mississippi 43 (305), Missouri 69 (493), New Mexico 41 (567), New York 47 (685), North Carolina 55 (380), Oregon 10 (23), Tennessee 205 (1278), Virginia 61 (404), Washington 2 (4), Wisconsin 1 (1), Wyoming 2 (6), Puerto Rico 4 (202), Brazil 2 (4), Canada 1 (1), Colombia 1 (2), England 1 (2), Paraguay 2 (4), Peru 1 (2), and Venezuela 924 (5506).

## B. Numbers of Specimens:

|       | <u>New Specimens</u> | <u>Total Specimens in Collection</u> | <u>New Lots</u> |
|-------|----------------------|--------------------------------------|-----------------|
| 1990  | 47,712               | 522,839                              | 4360            |
| 1991  | 77,311               | 600,150                              | 7852            |
| 1992  | 16,023               | 616,173                              | 1364            |
| 1993  | 25,368               | 641,541                              | 2586            |
| 1994  | 18,848               | 660,389                              | 2662            |
| Total |                      | 660,389                              | 64,978          |

18,824 accessioned lots over the last five years or 3765 lots per year  
 185,262 accessioned specimens over the last five years or 37,052 specimens  
 per year



## Growth continued...

## Herbarium



## A. Locality:

The vast majority of our newly accessioned vascular plant specimens are coming from Illinois. The majority of our newly accessioned fungi specimens are coming from the New England area and Florida. The algae and bryophyte collections are for the most part inactive.

## B. Number of specimens:

| Year | Collection      | Number  | Increase |
|------|-----------------|---------|----------|
| 1990 | Algae           | 74      | -----    |
|      | Bryophytes      | 1,596   | -----    |
|      | Fungi           | 49,891  | -----    |
|      | Vascular Plants | 172,778 | -----    |
|      | Grand Total     | 224,339 | 4,039    |
| 1991 | Algae           | 74      | -----    |
|      | Bryophytes      | 1,600   | 4        |
|      | Fungi           | 50,600  | 709      |
|      | Vascular Plants | 175,500 | 2722     |
|      | Grand Total     | 227,774 | 3435     |
| 1992 | Algae           | 74      | -----    |
|      | Bryophytes      | 1,600   | -----    |
|      | Fungi           | 51,001  | 401      |
|      | Vascular Plants | 177,633 | 2133     |
|      | Grand Total     | 230,308 | 2534     |
| 1993 | Algae           | 74      | -----    |
|      | Bryophytes      | 1,898   | 298      |
|      | Fungi           | 51,242  | 241      |
|      | Vascular Plants | 179,694 | 2061     |
|      | Grand Total     | 232,908 | 2600     |



## Growth continued...

## Herbarium

1994

|                 |         |      |
|-----------------|---------|------|
| Algae           | 74      | ---- |
| Bryophytes      | 1,898   | ---- |
| Fungi           | 51,612  | 370  |
| Vascular Plants | 181,033 | 1339 |
| Grand Total     | 234,617 | 1709 |

Total accessioned specimens over last five years 14,317 or 2,863 per year.

## C. Collectors:

Notable vascular plant collections include the earliest extant collection of vascular plants from what is now The Great Smoky Mountain National Park—Herman S. Pepon, 1931 a collection of 1337 specimens. Other early important contributions include those by L.M. Umbach from Lake and Du Page counties (about 1,500 specimens), J.O. Neill from Saint Clair County (about 5,000 specimens), A.G. Vestal from California (2,000 specimens), Rev. R. Brinker from Adams County (about 5,000 specimens), Virginus H. Chase predominantly from Peoria County (3,000 specimens), and our earliest large collection made in the 1880's by Charles Robertson from Macoupin County (about 2,000 specimens). The largest contribution by one individual is the collection by Robert A. Evers. Evers was curator from 1946 to 1976 and during that time added more than 110,000 specimens into the herbarium. The Evers collections were predominantly all from Illinois. He made numerous collections from what he considered important natural areas. Many of these areas are now important Illinois Natural Areas and his collections have made this herbarium one of the best collections of Illinois vascular plants. Recent important contributions to the herbarium include a collection of 2,000 Rosaceae subfamily Maloideae by the present curator, Kenneth R. Robertson. Eric Ulaszek has donated a collection of 1,500 specimens from a study of The Vascular Flora of Devils Kitchen Lake Area in Williams and Union counties. Studies of little floristically known Illinois Natural Areas have recently been initiated and are presently in various stages of completion for Alexander (Phillippe) Jackson (Phillippe), Johnson (Phillippe), Mason (Phillippe, Morris, and Phillippe), Union (Phillippe), and Vermilion (Morris, Simon, and Phillippe) counties. These relatively undisturbed areas include less than one-tenth of 1% of Illinois' land and water and are thus very important to the understanding of the original or natural flora of Illinois.

Notable fungi collections include a pathological collection of about 20,000 specimens by Boewe, about 5,000 plant pathogenic ascomycetes and fungi imperfecti by L.R. Tehon, about 2,000 fungi on trees and ornamentals by J.C. Carter, 3,000 lichens from West Virginia and Tennessee by Loy R. Phillippe, and about 12,000 ascomycetes and fungi imperfecti primarily from aquatic systems by J.L. Crane. Present emphasis continue on the ascomycetes and fungi imperfecti from aquatic systems and more recently on lichens from Illinois.

The most notable bryophyte collection is by B.N. McKnight with about 750 specimens collected from throughout Illinois. Other notable collections are by R.A. Evers and R. Brinker.





## Growth continued...

### Amphibians & Reptiles



#### A. Locality:

The majority of newly accessioned amphibians and reptiles are from Illinois. In 1994, 285 lots representing 307 specimens of 67 species were added to the collection. Specimens were obtained from 12 states: Arizona 1 lot (1 specimen), California 8 (14), Florida 1 (1), Illinois 211 (230), Indiana 9 (9), Kansas 4 (4), Kentucky 1 (1), Missouri 16 (16), New Mexico 1 (1), Pennsylvania 2 (2), Tennessee 23 (23), and Virginia 7 (7).

#### B. Numbers of Specimens:

|       | <u>New Specimens</u> | <u>Total Specimens in Collection</u> | <u>New Lots</u> |
|-------|----------------------|--------------------------------------|-----------------|
| 1990  | 71                   | 10,854                               | 71              |
| 1991  | 149                  | 11,003                               | 133             |
| 1992  | 318                  | 11,321                               | 21              |
| 1993  | 387                  | 11,708                               | 277             |
| 1994  | 307                  | 12,089                               | 285             |
| Total |                      | 12,089                               | 10,466          |

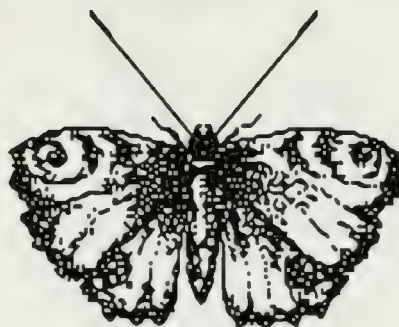
1622 accessioned lots over the last five years or 324 lots per year

1232 accessioned specimens over the last five years or 246 specimens per year



## Growth continued...

## Insects



## Collectors/Collections:

Some important insect collections deposited at the Survey. \* Collections containing primary types.

| Source                | Year        | Number   | Major Groups         |
|-----------------------|-------------|----------|----------------------|
| C. W. Stromberg       | 1881        | 6,000    | Beetles, bees        |
| S. H. Peabody         | 1891        | 14,000   | Beetles              |
| W. A. Nason           | 1908        | 30,000   | General              |
| J. A. West            | 1908        | 1,000    | Clover insects       |
| W. A. Abbott          | 1912        | 3,000    | Beetles              |
| A. D. MacGillivray    | 1924        | *5,000   | Sawflies             |
| K. F. Auden           | 1927        | 9,000    | Beetles              |
| C. A. Robertson       | 1940        | *30,000  | Bees, flies          |
| L. J. Milne           | 1940        | *7,000   | Caddisflies          |
| F. Hasbrouck          | 1944        | 10,000   | General              |
| M. W. Sanderson       | 1944        | *100,000 | Beetles              |
| W. Barnes             | 1945        | 2,000    | Butterflies, beetles |
| H. B. Mills-J. Folsom | 1946        | *127,000 | Springtails          |
| A. Bolter             | 1948        | 120,000  | Beetles              |
| E. Beer               | 1950        | 10,000   | Butterflies          |
| A. Mares              | 1950        | *5,000   | Butterflies, beetles |
| R. Maxwell            | 1950        | 5,000    | Beetles              |
| R. B. Selander        | 1950        | 2,000    | Beetles              |
| R. K. Benjamin        | 1950 - 1972 | *20,000  | Beetles              |
| C. L. Metcalf         | 1951        | *15,000  | Syrphid flies        |
| G. Todd               | 1952        | 5,000    | Beetles              |
| W. P. Hayes           | 1955        | *5,000   | Beetles              |
| R. Veris              | 1956        | 20,000   | Beetles              |
| P. N. Musgrave        | 1957 - 1975 | *18,700  | Beetles              |
| R. Altman             | 1958        | 20,000   | Beetles, Homoptera   |
| C. C. Hoff            | 1960        | *2,000   | Beetles              |
| A. R. Park            | 1960        | 7,500    | Bees                 |
| I. Fox                | 1961        | 5,000    | Beetles, Homoptera   |
| W. E. LaBerge         | 1965        | 4,000    | Bees                 |
| D. W. Ribble          | 1967 - 1975 | 5,000    | Bees                 |



## Growth continued...

## Insects

| Source                 | Year        | Number  | Major Groups        |
|------------------------|-------------|---------|---------------------|
| M. O. Glenn            | 1969 - 1976 | *35,500 | Moths               |
| R. R. Irwin            | 1969        | *4,000  | Butterflies         |
| S. Peck                | 1960        | 2,000   | Beetles             |
| W. V. Balduf           | 1970        | 1,300   | Wasps               |
| A. R. Moldenke         | 1970 -1978  | 13,000  | Bees                |
| R. T. Allen            | 1972        | 15,000  | Beetles             |
| E. R. Jaycox           | 1972        | 1,000   | Bees                |
| G. F. Knowlton         | 1972        | 50,000  | General             |
| J. A. Nielson          | 1973        | 5,000   | General, moths      |
| M. Bristol             | 1975        | 2,500   | Moths, butterflies  |
| University of Illinois | 1979        | 250,000 | General             |
| H. H. Ross             | 1979        | *10,000 | Caddisflies         |
| D. J. Voegtlin         | 1980        | 2,500   | Aphids              |
| M. E. Toliver          | 1984        | 6,000   | Butterflies         |
| J. G. Sternburg        | 1984        | 15,000  | Butterflies         |
| J. E. Gardner          | 1987        | 4,500   | Cave insects        |
| M. W. Sanderson        | 1988        | 20,000  | Caddisflies         |
| Elliott McClure        | 1990        | 30,000  | General             |
| J. G. Sternburg        | 1990        | 5,000   | Butterflies         |
| M. A. Phillippi        | 1992        | 60,000  | Aquatic insects     |
| San Diego              |             |         |                     |
| Nat. Hist Mus.         | 1993        | 1,923   | Mexican Bees        |
| M.E. Irwin             | 1994        | 250,000 | General from Israel |

## Total number of specimens deposited:

| Year                    | Collection                     | Number of specimens |
|-------------------------|--------------------------------|---------------------|
| 1990                    | Insects and related arthropods | 30,268              |
| 1991                    | Insects and Related Arthropods | 54,476              |
| 1992                    | Insects and Related Arthropods | 71,414              |
| 1993                    | Insects and Related Arthropods | 68,325              |
| 1994                    | Insects and Related Arthropods | 280,620             |
| Total for 1990 - 1994 = |                                | 505,103             |





## Growth continued...

## Mammals

**A. Locality:**

No specimens were added to the collection in 1994.

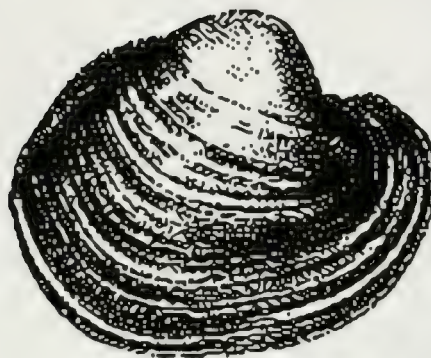
**B. Numbers of Specimens:**

|        | <u>New Specimens</u> | <u>Total in Collection</u> |
|--------|----------------------|----------------------------|
| 1990   |                      |                            |
| Lots   | 0                    | 629                        |
| Skins  | 0                    | 503                        |
| Skulls | 0                    | 481                        |
| Total  | 0                    | 984                        |
| 1991   |                      |                            |
| Lots   | 0                    | 629                        |
| Skins  | 0                    | 503                        |
| Skulls | 0                    | 481                        |
| Total  | 0                    | 984                        |
| 1992   |                      |                            |
| Lots   | 0                    | 629                        |
| Skins  | 0                    | 503                        |
| Skulls | 0                    | 481                        |
| Total  | 0                    | 984                        |
| 1993   |                      |                            |
| Lots   | 0                    | 629                        |
| Skins  | 0                    | 503                        |
| Skulls | 0                    | 481                        |
| Total  | 0                    | 984                        |
| 1994   |                      |                            |
| Lots   | 0                    | 629                        |
| Skins  | 0                    | 503                        |
| Skulls | 0                    | 481                        |
| Total  | 0                    | 984                        |



## Growth continued...

## Mollusks

**A. Locality:**

The majority of our recently accessioned freshwater mussel specimens are from Illinois. In 1994, 1687 lots numbering 6654 specimens of 143 species were added. Specimens were obtained from 24 states and three countries: Alabama 216 lots (850 specimens), Arkansas 16 (80), California 6 (40), Florida 3 (17), Georgia 17 (87), Illinois 469 (2279), Indiana 232 (349), Iowa 2 (24), Kentucky 346 (1135), Louisiana 4 (4), Michigan 1 (10), Minnesota 24 (27), Mississippi 1 (4), Missouri 2 (87), New Hampshire 1 (3), New Mexico 1 (2), North Carolina 16 (114), Ohio 7 (8), South Carolina 1 (1), Tennessee 191 (639), Texas 27 (76), Utah 1 (1), Virginia 48 (102), West Virginia 2 (9), Australia 3 (3), Brazil 1 (1), and Venezuela 41 (661).

**B. Numbers of Specimens:**

|                     | <u>New Specimens</u> | <u>Total Specimens in Collection</u> | <u>New Lots</u> |
|---------------------|----------------------|--------------------------------------|-----------------|
| 1990                |                      |                                      |                 |
| Land snails         | ---                  | ---                                  |                 |
| Aquatic snails      | ---                  | 2215                                 |                 |
| Freshwater bivalves | 8528                 | 54,858                               |                 |
| Total               | 8528                 | 57,073                               | 2267            |
| 1991                |                      |                                      |                 |
| Land snails         | ---                  | ---                                  |                 |
| Aquatic snails      | ---                  | 2215                                 |                 |
| Freshwater bivalves | 2695                 | 57,553                               |                 |
| Total               | 2695                 | 59,768                               | 995             |
| 1992                |                      |                                      |                 |
| Land snails         | 11,970               | 11,970                               |                 |
| Aquatic snails      | ---                  | 2215                                 |                 |
| Freshwater bivalves | 2922                 | 60,475                               |                 |
| Total               | 14,892               | 74,660                               | 2834            |



## Growth continued...

## Mollusks

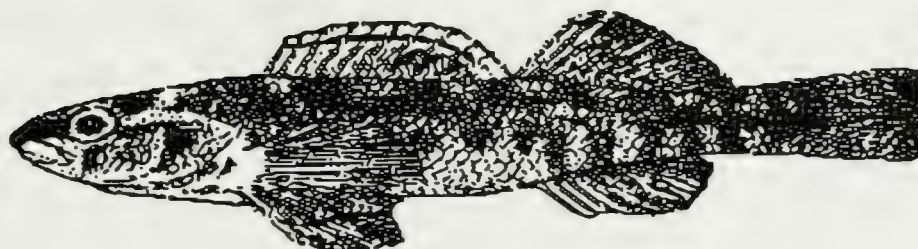
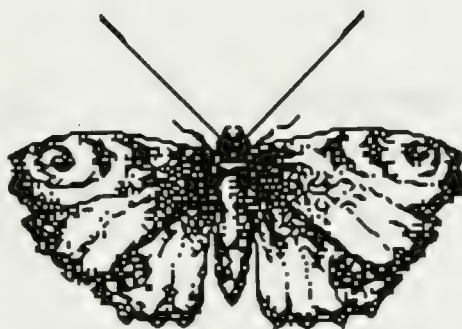
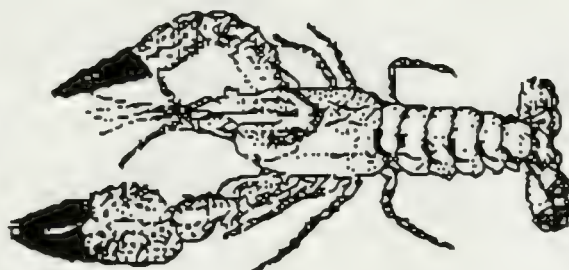
|                     |      |        |        |
|---------------------|------|--------|--------|
| 1993                |      |        |        |
| Land snails         | -    | 11,970 |        |
| Aquatic snails      | 3    | 2218   |        |
| Freshwater bivalves | 4552 | 67,243 |        |
| Total               | 4555 | 79,213 | 1091   |
| 1994                |      |        |        |
| Land snails         | -    | 11,970 |        |
| Aquatic snails      | 39   | 2257   |        |
| Freshwater bivalves | 6615 | 73,858 |        |
| Total               | 6654 | 85,851 | 1687   |
| Total Collection    |      | 85,851 | 18,575 |

8874 accessioned lots over the last five years or 1775 lots per year  
 37,325 accessioned specimens over the last five years or 7465 specimens per year





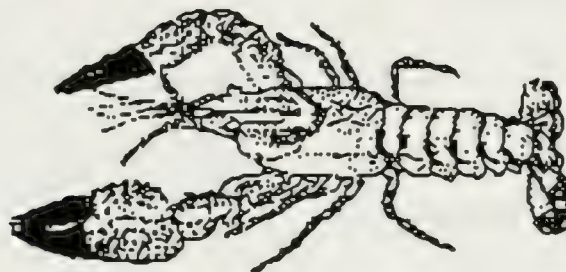
# Transactions; Loans, Gifts, Data Requests/Queries





# Transactions; Loans, Gifts, Data Requests/Queries

## Crustaceans



### Loans and Gifts:

#### A. Loans (1990 to 1994):

| <u># Specimens</u> | <u>Borrower</u> | <u>Affiliation</u>          | <u>Date Borrowed</u> | <u>Date Returned</u> |
|--------------------|-----------------|-----------------------------|----------------------|----------------------|
| 79                 | Crandall, K.    | Washington Univ., St. Louis | 6/3/91               | 11/8/91              |
| 123                | Burr, B.M.      | Southern Illinois Univ.     | 9/28/91              | 4/22/92              |

#### B. Gifts or Exchanges:

none

### Requests for Information:

#### A. Data Requests:

| <u># Records</u> | <u>Inquirer</u>             | <u>Affiliation</u> | <u>Date</u> |
|------------------|-----------------------------|--------------------|-------------|
| 0                | consultants (via K. Hunter) | Georgia            | 1/20/94     |
| 2                | Sabaj, M.H.                 | INHS-CDB           | 1/26/94     |
| 33               | Ullberg, D.                 | USFW               | 3/17/94     |
| 11               | Smith, S.                   | IDOC               | 6/22/94     |
| 68               | Sabaj, M.H.                 | INHS-CBD           | 12/12/94    |

#### B. Miscellaneous Requests:

none



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Crustaceans

### Summary of 1994 Crustacean Collection Transactions

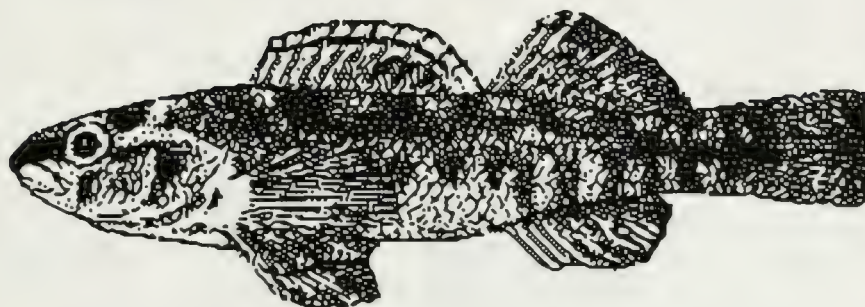
| <u>Transaction</u>                           | <u># of specimens</u> |
|----------------------------------------------|-----------------------|
| Loans:                                       |                       |
| specimens sent on loan                       | 0                     |
| Gifts:                                       |                       |
| Received                                     | 0                     |
| Sent                                         | 0                     |
| Exchanges:                                   |                       |
| Received                                     | 0                     |
| Sent                                         | 0                     |
| Requests:                                    |                       |
| Data                                         | 5                     |
| Miscellaneous                                | 0                     |
| Visitors:                                    | 2                     |
| Additions to the collection:                 |                       |
| Specimens accessioned                        | 2089                  |
| Estimated backlog of unaccessioned specimens | 11,000                |





# Transactions; Loans, Gifts, Data Requests/Queries continued

## Fish



### Loans and Gifts:

#### A. Loans (1990 to 1994):

| <u># Specimens</u> | <u>Borrower</u> | <u>Affiliation</u>                        | <u>Date Borrowed</u> | <u>Date Returned</u> |
|--------------------|-----------------|-------------------------------------------|----------------------|----------------------|
| 217                | Burr, B.M.      | Southern Illinois University              | 3/24/90              | 12/1/94              |
| 24                 | Wiley, E.O.     | University of Kansas                      | 6/28/90              | still on loan        |
| 76                 | Warren Jr., M.  | Southern Illinois University              | 7/2/90               | still on loan        |
| 5                  | Stephens, R.    | Bradley University                        | 7/12/90              | still on loan        |
| 7                  | Coburn, M.      | John Carroll University                   | 7/13/90              | still on loan        |
| 167                | Chapleau, F.    | University of Ottawa                      | 8/22/90              | still on loan        |
| 22                 | Simons, A.M.    | University of Alabama                     | 9/17/90              | still on loan        |
| 2                  | Etnier, D.A.    | University of Tennessee                   | 10/16/90             | 10/31/90             |
| 7                  | Miller, R.R.    | University of Michigan                    | 10/31/90             | 6/11/91              |
| 3                  | Stauffer, J.R.  | Pennsylvania State University             | 11/5/90              | 4/26/92              |
| 16                 | Stephens, R.    | Bradley University                        | 11/14/90             | still on loan        |
| 40                 | Chapleau, F.    | University of Ottawa                      | 11/14/90             | 10/21/91             |
| 4                  | Stephens, R.    | Bradley University                        | 11/15/90             | still on loan        |
| 4                  | Dimmick, W.W.   | Washington University, St. Louis          | 12/10/90             | still on loan        |
| 25                 | Stephens, R.    | Bradley University                        | 12/14/90             | still on loan        |
| 17                 | Stephens, R.    | Bradley University                        | 2/18/91              | still on loan        |
| 132                | Mayden, R.L.    | University of Alabama                     | 4/10/91              | still on loan        |
| 1                  | Stephens, R.    | Bradley University                        | 4/29/91              | still on loan        |
| 2                  | Stephens, R.    | Bradley University                        | 5/24/91              | still on loan        |
| 3                  | Stephens, R.    | Bradley University                        | 6/19/91              | still on loan        |
| 69                 | Weber, C.       | Museum d' Histoire Naturelle, Switzerland | 7/3/91               | still on loan        |
| 9                  | Layman, S.R.    | University of Alabama                     | 8/14/91              | still on loan        |
| 5                  | Dimmick, W.W.   | Washington University, St. Louis          | 8/22/91              | still on loan        |
| 2                  | Layman, S.R.    | University of Alabama                     | 9/27/91              | still on loan        |
| 513                | Gutowski, M.    | The Pennsylvania State University         | 11/12/91             | still on loan        |
| 53                 | Nico, L.        | Glen Carbon, Illinois                     | 1/92                 | still on loan        |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Fish

| <u># Specimens</u> | <u>Borrower</u> | <u>Affiliation</u>                  | <u>Date Borrowed</u> | <u>Date Returned</u> |
|--------------------|-----------------|-------------------------------------|----------------------|----------------------|
| 9                  | Stephens, R.    | Bradley University                  | 3/11/92              | still on loan        |
| 5                  | Vari, R.P.      | National Smithsonian Institution    | 4/22/92              | 7/24/92              |
| 30                 | Stephens, R.    | Bradley University                  | 5/8/92               | still on loan        |
| 225                | Harold, A.S.    | National Smithsonian Institution    | 6/4/92               | 11/17/93             |
| 18                 | Buckup, P.      | Acad. of Natural Sciences of Phila. | 6/4/92               | still on loan        |
| 70                 | Mayden, R.L.    | University of Alabama               | 6/5/92               | still on loan        |
| 24                 | Bart, H.L.      | Tulane University                   | 6/7/92               | still on loan        |
| 3                  | Lyons, J.       | Wisconsin DNR                       | 6/9/92               | 10/1992              |
| 1                  | Starnes, W.     | Smithsonian Institution             | 6/9/92               | still on loan        |
| 446                | Jenkins, R.E.   | Roanoke College                     | 6/9/92               | still on loan        |
| 42                 | Starnes, W.     | Smithsonian Institution             | 6/9/92               | 2/19/93              |
| 63                 | Lundberg, J.    | Duke University                     | 6/9/92               | still on loan        |
| 2                  | Vari, R.P.      | Smithsonian Institution             | 8/5/92               | 10/6/92              |
| 153                | Weitzman, S.    | Smithsonian Institution             | 8/5/92               | still on loan        |
| 2                  | Stephens, R.    | Bradley University                  | 8/5/92               | still on loan        |
| 279                | Johnston, C.E.  | Forest Hydrology Lab                | 10/5/92              | 8/24/94              |
| 433                | Chapleau, F.    | University of Ottawa                | 10/30/92             | still on loan        |
| 5                  | Burr, B.M.      | Southern Illinois University        | 11/23/92             | 2/25/94              |
| 3                  | Burr, B.M.      | Southern Illinois University        | 3/6/93               | 5/12/95              |
| 58                 | Porto, L.M.S.   | Universidade de São Paulo, Brasil   | 4/22/93              | 10/94                |
| 1                  | Mayden, R.L.    | University of Alabama               | 5/24/93              | 5/4/94               |
| 10                 | Ross, S.T.      | University of Southern Mississippi  | 10/29/93             | still on loan        |
| 118                | Harold, A.S.    | Royal Ontario Museum                | 12/7/93              | still on loan        |
| 335                | Burr, B.M.      | Southern Illinois University        | 12/7/93              | still on loan        |
| 395                | Gilbert, C.R.   | Florida University of Florida       | 12/7/93              | 6/1/94               |
| 2                  | Noltie, D.B.    | University of Missouri, Columbia    | 2/2/94               | still on loan        |
| 4                  | Goettel, R.     | Illinois/Indiana Sea Grant          | 2/7/94               | 3/1/94               |
| 1                  | Bemis, W.E.     | University of Massachusetts         | 4/20/94              | still on loan        |
| 52                 | Burr, B.M.      | Southern Illinois University        | 5/28/94              | still on loan        |
| 128                | Gilbert, C.R.   | Florida Museum of Natural History   | 6/1/94               |                      |
| 268                | Burr, B.M.      | Southern Illinois University        | 6/1/94               | still on loan        |
| 2                  | Burkhead, N.    | U.S.F.W.                            | 6/22/94              | 7/25/94              |
| 84                 | Mayden, R.L.    | University of Alabama               | 7/5/94               | still on loan        |
| 71                 | Petry, P.       | Oregon State University             | 7/19/94              | 5/1/95               |
| 3                  | Stephens, R.    | Bradley University                  | 10/18/94             | still on loan        |
| 19                 | Basolo, A.      | University of Nebraska              | 11/14/94             | 5/1/95               |
| 3                  | Stephens, R.    | Bradley University                  | 11/22/94             | still on loan        |
| 65                 | Porto, L.M.     | Universidade de São Paulo           | 11/28/94             | still on loan        |
| 5                  | Jenkins, R.E.   | Roanoke College                     | 12/29/94             | 1/9/95               |





# Transactions; Loans, Gifts, Data Requests/Queries continued

Fish

## B. Exchanges:

| <u>To</u>                            | <u># Specimens</u> |
|--------------------------------------|--------------------|
| J. McEachran, Texas A & M University | 11                 |

## Queries:

### A. Data Requests:

| <u># Records</u> | <u>Inquirer</u>             | <u>Affiliation</u>              | <u>Date</u> |
|------------------|-----------------------------|---------------------------------|-------------|
| 23               | Mayden, R.                  | University of Alabama           | 1/3/94      |
| 539              | Taylor, C.A.                | INHS-IDOT                       | 1/20/94     |
| 10               | consultants (via K. Hunter) | Georgia                         | 1/20/94     |
| 389              | Sabaj, M.H.                 | INHS-CDB                        | 1/26/94     |
| 3077             | Paladino, P.                | IDOC                            | 1/26/94     |
| 238              | Taylor, C.A.                | INHS-IDOT                       | 1/31/94     |
| 761              | Johnston, C.E.              | U.S. Forest Service             | 2/9/94      |
| 123              | Vari, R.                    | Smithsonian Institution         | 2/14/94     |
| 40               | Phillips, C.A.              | INHS-CBD                        | 2/15/94     |
| 24               | Taylor, C.A.                | INHS-IDOT                       | 2/23/94     |
| 689              | Day, D.                     | IDOC                            | 3/4/94      |
| 31               | Taylor, C.A.                | INHS-IDOT                       | 3/18/94     |
| 238              | Ullberg, D.                 | USFW                            | 3/17/94     |
| 7                | Karnes, J.                  | IDOC                            | 4/6/94      |
| 175              | Jellen, S.                  | Watershed Nature Center, Ill.   | 4/19/94     |
| 188              | John, L.                    | Western Illinois University     | 4/20/94     |
| 180              | Cook, K.                    | Southern Illinois University    | 4/21/94     |
| 125              | Sabaj, M.H.                 | INHS-CDB                        | 4/24/94     |
| 125              | Taylor, C.A.                | INHS-IDOT                       | 4/28/94     |
| 21               | Bullard, C.                 | University of Illinois          | 4/29/94     |
| 645              | Day, D.                     | IDOC                            | 5/5/94      |
| 10               | Taylor, C.A.                | INHS-IDOT                       | 6/1/94      |
| 120              | Nico, L.                    | NBS, Gainesville                | 6/1/94      |
| 856              | Taylor, C.A.                | INHS-IDOT                       | 6/16/94     |
| 643              | Rapp Py-Daniel, L.H.        | University of Arizona           | 6/20/94     |
| 53               | Barre, R.                   | Joliet Training Area            | 6/22/94     |
| 154              | Smith, S.                   | IDOC                            | 6/22/94     |
| 543              | Machado, A.                 | University of Central Venezuela | 6/30/94     |
| 10               | Taylor, C.A.                | INHS-IDOT                       | 7/19/94     |
| 9                | Kuhajda, B.R.               | University of Alabama           | 7/19/94     |
| 9                | Taylor, C.A.                | INHS-IDOT                       | 7/21/94     |





# Transactions; Loans, Gifts, Data Requests/Queries continued

## Fish

|     |              |                           |          |
|-----|--------------|---------------------------|----------|
| 18  | Sheaffer, D. | D. Sheaffer               |          |
|     |              | Landscape Architects      | 7/27/94  |
| 195 | Taylor, C.A. | INHS-IDOT                 | 8/1/94   |
| 38  | Taylor, C.A. | INHS-IDOT                 | 9/13/94  |
| 464 | Taylor, C.A. | INHS-IDOT                 | 10/3/94  |
| 96  | Taylor, C.A. | INHS-IDOT                 | 10/3/94  |
| 2   | Vari, R.     | Smithsonian Institution   | 10/6/94  |
| 911 | Mettee, M.F. | Alabama Geological Survey | 10/17/94 |
| 20  | Taylor, C.A. | INHS-IDOT                 | 10/20/94 |
| 45  | Michael, E.  | Trout Unlimited           | 11/15/94 |
| 330 | Sabaj, M.H.  | INHS-CBD                  | 12/12/94 |
| 5   | Taylor, C.A. | INHS-IDOT                 | 12/14/94 |
| 117 | Taylor, C.A. | INHS-IDOT                 | 12/20/94 |
| 24  | Taylor, C.A. | INHS-IDOT                 | 12/28/94 |
| 7   | Jenkins, R.  | Roanoke College           | 12/29/94 |

### B. Miscellaneous Requests:

None



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Herbarium



## Loans and Gifts:

### A. Loans:

#### VASCULAR PLANT & FUNGI LOANS 1985 to 1992 (ILLS)

| Nature of Loan                          | # Specimens | Borrower                 | Lender                | Date Received  | Date Canceled    |
|-----------------------------------------|-------------|--------------------------|-----------------------|----------------|------------------|
| Scrophulariaceae<br>( <i>Besseyia</i> ) | 19          | M. Bowles<br>(MOR)       | ILLS<br>Loan:<br># NA | 26 April 1985  | 20 February 1986 |
| Fagaceae<br>( <i>Quercus</i> )          | 32          | D.M. Hunt<br>(GA)        | ILLS<br>Loan:<br># NA | 11 July 1985   | 14 November 1985 |
| Fabaceae<br>( <i>Apios</i> )            | 1           | J. Schwegman<br>(SIU)    | ILLS<br>Loan:<br># NA | 12 July 1985   | October 1987     |
| Orchidaceae<br>( <i>Corallorhiza</i> )  | 1           | F. Case<br>(MICH)        | ILLS<br>Loan:<br># NA | 2 January 1986 | 10 March 1986    |
| Malvaceae<br>( <i>Napaea</i> )          | 34          | A.W. Cusick<br>(ODNR)    | ILLS<br>Loan:<br># NA | 6 August 1986  | 20 January 1987  |
| Rosaceae<br>(Subfamily Malidae)         | 33          | K.R. Robertson<br>(ILLS) | F<br>Loan:<br># ?     | 1987 ?         | 11 April 1994    |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Herbarium

|                                                                                                                                                        |     |                          |                       |                         |                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------|-----------------------|-------------------------|-------------------------|
| Asteraceae<br>( <i>Aster</i> )                                                                                                                         | 26  | A.G. Jones<br>(ILL)      | ILLS<br>Loan:<br># NA | 18 February 1987        | March 1987              |
| Poaceae<br>(mixed)                                                                                                                                     | 45  | F.J. Norman<br>(MODOC)   | ILLS<br>Loan:<br># NA | 2 May 1989              | October 1989            |
| Rosaceae<br>( <i>Rubus</i> )                                                                                                                           | 1   | M. Widrlechner<br>(ISC)  | ILLS<br>Loan:<br># NA | 12 June 1989            | 31 August 1989          |
| Menispermaceae<br>( <i>Calyocarpon</i> )<br>( <i>Cocculus</i> )<br>( <i>Menispermum</i> )                                                              | 363 | D.G. Rhodes<br>(LTU)     | ILLS<br>Loan:<br># NA | 6 October 1989          | 11 June 1990            |
| Polemoniaceae<br>( <i>Phlox</i> )                                                                                                                      | 2   | T. Voigt<br>(ILL)        | ILLS<br>Loan:<br># NA | 17 April 1990           | 20 April 1990           |
| Lamiaceae<br>( <i>Blephilia</i> )                                                                                                                      | 168 | A.O. Tucker<br>(DOV)     | ILLS<br>Loan:<br># NA | 24 August 1990          | 24 February 1994        |
| Ascomycetes<br>( <i>Aniptodera cheseakensis</i> )                                                                                                      | 9   | J.J. Kohlemeyer<br>(IMS) | ILLS<br>Loan:<br># NA | 1991?                   | 20 September 1993       |
| Hyphomycetes<br>( <i>Allescheriella crocea</i> )(MU)<br>( <i>Bactridiopsis</i> sp.)<br>( <i>Bactridium flavum</i> )<br>( <i>Bactridium fulvellum</i> ) | 54  | M.A. Vincent<br>Loan:    | ILLS<br>Loan:<br># NA | 12 March 1991<br>Due: ? | Still on loan           |
| Solanaceae<br>( <i>Physalis</i> )                                                                                                                      | 653 | G.E. Crow<br>(NHA)       | ILLS<br>Loan:<br># NA | 20 March 1992           | 1 June 1992             |
| Cyperaceae<br>(selected)                                                                                                                               | 9   | G. Wilhelm<br>(MOR)      | ILLS<br>Loan:<br># NA | 24 March 1992           | Still on loan<br>Due: ? |





# Transactions; Loans, Gifts, Data Requests/Queries continued

## Herbarium

|                                                  |     |                             |                                                                         |                                          |                                                     |
|--------------------------------------------------|-----|-----------------------------|-------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------|
| Nyphaeaceae                                      | 158 | J.H. Wiersema<br>(BARC)     | ILLS<br>Loan:<br># NA                                                   | 8 July 1992                              | 14 June 1994                                        |
| Rosaceae<br>( <i>Agrimonia</i> )                 | 433 | P.D. Sørensen<br>(DEK)      | ILLS<br>Loan:<br># NA                                                   | 16 February 1993                         | Still on loan<br>Due: ?                             |
| Caryophyllaceae<br>( <i>Sagina</i> )             | 13  | R.K. Rabeler<br>(MICH)      | ILLS<br>Loan:<br># NA                                                   | 25 February 1993                         | Still on loan<br>Due: ?                             |
| Usneaceae<br>( <i>Usnea rubicunda</i> )          | 3   | I. Tavares<br>(UC)          | ILLS<br>Loan:<br># NA                                                   | 15 September 1993                        | Still on loan<br>Due: ?                             |
| Euphorbiaceae<br>( <i>Drypetes</i> )             | 439 | Geoffrey A. Levin<br>(ILLS) | F<br>Loans:<br># B-16517<br># B-19043                                   | ?<br>Transferred<br>SD to ILLS<br>? 1994 | Still on loan<br>Due: ?                             |
| Euphorbiaceae<br>(Primarily<br><i>Drypetes</i> ) | 656 | Geoffrey A. Levin<br>(ILLS) | MO<br>Loans:<br># 85-747<br># 87-682<br># 88-438<br># 92-316<br># 93-29 | ?<br>Transferred<br>SD to ILLS<br>? 1994 | Still on loan<br>Due: Reasonable<br>length of time. |
| Euphorbiaceae<br>( <i>Drypetes</i> )             | 804 | Geoffrey A. Levin<br>(ILLS) | NY<br>Loans:<br># SD-003<br># SD-004                                    | ? 1994                                   | Still on loan<br>Due: ?                             |
| Euphorbiaceae<br>( <i>Drypetes</i> )             | 42  | Geoffrey A. Levin<br>(ILLS) | AFS<br>Loan:<br># 2350                                                  | ?<br>Transferred<br>SD to ILLS<br>? 1994 | Still on loan<br>Due: ?                             |
| Fungi                                            | 2   | Cvetomis Denchev<br>(SOM)   | ILLS<br>Loan:<br># NA                                                   | 20 January 1994                          | 28 February 1994                                    |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Herbarium

|                                                                |     |                                   |                            |                  |                                                     |
|----------------------------------------------------------------|-----|-----------------------------------|----------------------------|------------------|-----------------------------------------------------|
| Euphorbiaceae<br>( <i>Acalypha</i> )                           | 1   | Geoffrey A. Levin<br>(ILLS)       | SD<br>Loan:<br># NA        | 25 January 1994  | Still on loan<br>Due: 25 July 1994                  |
| Poaceae<br>( <i>Andropogon<br/>gerardii</i> )                  | 1   | John Schwegman<br>(IDOC)          | ILLS<br>Loan:<br># NA      | 9 February 1994  | 16 February 1994                                    |
| Euphorbiaceae<br>( <i>Acalypha</i> )                           | 456 | Geoffrey A. Levin<br>(ILLS)       | MO<br>Loan:<br># 94-79     | 16 February 1994 | 14 October 1994                                     |
| Rosaceae                                                       | 33  | Kenneth R.<br>Robertson<br>(ILLS) | F<br>Loan:<br># B-17166    | 19 February 1994 | 26 April 1994                                       |
| Euphorbiaceae<br>( <i>Acalypha</i> )                           | 4   | Geoffrey A. Levin<br>(ILLS)       | F<br>Loan:<br># B-20715    | 25 March 1994    | Still on loan<br>Due: 24 March 1996                 |
| Euphorbiaceae<br>( <i>Acalypha</i> )                           | 104 | Geoffrey A. Levin<br>(ILLS)       | F<br>Loan:<br># B-20756    | 15 April 1994    | Still on loan<br>Due: 14 April 1996                 |
| Euphorbiaceae<br>( <i>Acalypha</i> )                           | 29  | Geoffrey A. Levin<br>(ILLS)       | MO<br>Loan:<br># 94-201    | 4 May 1994       | Still on loan<br>Due: Reasonable<br>length of time. |
| Euphorbiaceae<br>( <i>Acalypha</i> )                           | 26  | Geoffrey A. Levin<br>(ILLS)       | F<br>Loan:<br># B-20774    | 10 May 1994      | Still on loan<br>Due: 9 May 1996                    |
| Euphorbiaceae<br>( <i>Acalypha</i> )                           | 3   | Geoffrey A. Levin<br>(ILLS)       | US<br>Loan:<br># 410070    | 16 May 1994      | Still on loan<br>Due: 16 November 1994              |
| Fungi                                                          | 3   | Walter J.<br>Sundberg<br>(SIU)    | ILLS<br>Loan:<br># NA      | 19 May 1994      | Still on loan<br>Due: ?                             |
| Euphorbiaceae<br>( <i>Acalypha</i> )<br>( <i>Cnidoscalus</i> ) | 15  | Geoffrey A. Levin<br>(ILLS)       | ASU<br>Loan:<br># 0-579/94 | 20 May 1994      | 10 March 1994                                       |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Herbarium

|                                           |     |                                   |                                      |                                                                     |                                                     |
|-------------------------------------------|-----|-----------------------------------|--------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------|
| Euphorbiaceae<br>( <i>Acalypha</i> )      | 66  | Geoffrey A. Levin<br>(ILLS)       | TEX, LL<br>Loan:<br># 94.51          | 4 August 1994                                                       | Still on loan<br>Due: ?                             |
| Malvaceae<br>( <i>Gaya</i> )              | 250 | Steven R. Hill<br>(ILLS)          | NY<br>Loan:<br># ?                   | ? Transferred<br>CLEMS to ILLS<br>23 August 1994                    | Still on loan<br>Due: 6 months                      |
| Malvaceae<br>( <i>Gaya</i> )              | 103 | Steven R. Hill<br>(ILLS)          | GH<br>Loan:<br># 88-6                | 1988 Transferred<br>CLEMS to ILLS<br>? September 1994               | Still on loan<br>Due: October 1995                  |
| Malvaceae<br>( <i>Gaya</i> )              | 9   | Steven R. Hill<br>(ILLS)          | GH<br>Loan:<br># 88-7                | 1988 Transferred<br>CLEMS to ILLS<br>? September 1994               | 14 November 1994                                    |
| Malvaceae                                 | 531 | Steven R. Hill<br>(ILLS)          | UC, JEPS<br>Loans:<br># 5406<br>#470 | 1987 Transferred<br>CLEMS to ILLS on<br>1 September 1994            | 19 September 1994                                   |
| Malvaceae<br>( <i>Gaya</i> )              | 95  | Steven R. Hill<br>(ILLS)          | MO<br>Loan:<br># 87-678              | 3 November 1987<br>Transferred<br>CLEMS to ILLS<br>1 September 1994 | Still on loan<br>Due: Reasonable<br>length of time. |
| Euphorbiaceae<br>( <i>Acalypha</i> )      | 190 | Geoffrey A. Levin<br>(ILLS)       | IND<br>Loan:<br># NA                 | 15 September 1994                                                   | Still on loan<br>Due: Reasonable<br>length of time. |
| Euphorbiaceae<br>( <i>Drypetes</i> )      | 78  | Geoffrey A. Levin<br>(ILLS)       | TEX, LL<br>Loan:<br># 86-31          | 16 July 1986<br>Transferred<br>SD to ILLS<br>15 September 1994      | 13 January 1995                                     |
| Convolvulaceae<br>( <i>Jacquemontia</i> ) | 67  | Kenneth R.<br>Robertson<br>(ILLS) | FAU<br>Loan:<br># NA                 | 15 September 1994                                                   | Still on loan<br>Due: ?                             |
| Euphorbiaceae<br>( <i>Acalypha</i> )      | 125 | Geoffrey A. Levin<br>(ILLS)       | BUT<br>Loan:<br># NA                 | 20 September 1994                                                   | Still on loan<br>Due: ?                             |





# Transactions; Loans, Gifts, Data Requests/Queries continued

## Herbarium

|                                           |     |                                   |                                                 |                                                    |                                                     |
|-------------------------------------------|-----|-----------------------------------|-------------------------------------------------|----------------------------------------------------|-----------------------------------------------------|
| Euphorbiaceae<br>( <i>Acalypha</i> )      | 45  | Geoffrey A. Levin<br>(ILLS)       | NDG<br>Loan:<br># 94-8                          | 4 October 1994                                     | Still on loan<br>Due: ?                             |
| Convolvulaceae<br>( <i>Jacquemontia</i> ) | 201 | Kenneth R.<br>Robertson<br>(ILLS) | MO<br>Loan:<br># 94-257                         | 9 October 1994                                     | Still on loan<br>Due: Reasonable<br>length of time. |
| Euphorbiaceae<br>( <i>Drypetes</i> )      | 49  | Geoffrey A. Levin<br>(ILLS)       | PNH<br>Loan:<br>542                             | ?<br>Transferred<br>SD to ILLS<br>3 November 1994  | Still on loan<br>Due: ?                             |
| Euphorbiaceae<br>( <i>Drypetes</i> )      | 745 | Geoffrey A. Levin<br>(ILLS)       | BM<br>Loans:<br># 1872G<br># 9180T/G<br># 9181G | ?<br>Transferred<br>SD to ILLS<br>7 November 1994  | Still on loan<br>Due: ?                             |
| Convolvulaceae<br>( <i>Jacquemontia</i> ) | 60  | Kenneth R.<br>Robertson<br>(ILLS) | WIS<br>Loan:<br># NA                            | 9 November 1994                                    | Still on loan<br>Due: ?                             |
| Euphorbiaceae<br>( <i>Drypetes</i> )      | 29  | Geoffrey A. Levin<br>(ILLS)       | CAS<br>Loan:<br># 2232                          | ?<br>Transferred<br>SD to ILLS<br>16 November 1994 | Still on loan<br>Due: ?                             |
| Euphorbiaceae<br>( <i>Drypetes</i> )      | 36  | Geoffrey A. Levin<br>(ILLS)       | DAV<br>Loan:<br># NA                            | ?<br>Transferred<br>SD to ILLS<br>16 November 1994 | Still on loan<br>Due: ?                             |
| Orchidaceae<br>( <i>Calopogon</i> )       | 18  | Billie L. Turner<br>(TEX) (LL)    | ILLS<br>Loan:<br># NA                           | 22 November 1994                                   | Still on loan<br>Due: ?                             |
| Liliaceae<br>( <i>Erythronium</i> )       | 189 | Kenneth R.<br>Robertson<br>(ILLS) | BRIT/<br>SMU<br>Loan:<br># 1994.0020            | 30 November 1994                                   | Still on loan<br>Due 30 November 1994               |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Herbarium

|                                      |     |                             |                         |                                                   |                                                     |
|--------------------------------------|-----|-----------------------------|-------------------------|---------------------------------------------------|-----------------------------------------------------|
| Euphorbiaceae<br>( <i>Drypetes</i> ) | 39  | Geoffrey A. Levin<br>(ILLS) | L<br>Loan:<br># 8007    | ?<br>Transferred<br>SD to ILLS<br>1 December 1994 | Still on loan<br>Due: 6 months                      |
| Euphorbiaceae<br>( <i>Drypetes</i> ) | 165 | Geoffrey A. Levin<br>(ILLS) | U<br>Loan:<br># NA      | ?<br>Transferred<br>SD to ILLS<br>1 December 1994 | Still on loan<br>Due: ?                             |
| Malvaceae                            | 266 | Steven R. Hill<br>(ILLS)    | MO<br>Loan:<br># 94-645 | 2 December 1994                                   | Still on loan<br>Due: Reasonable<br>length of time. |
| Malvaceae<br>( <i>Gaya</i> )         | 37  | Steven R. Hill<br>(ILLS)    | MO<br>Loan:<br># 94-648 | 7 December 1994                                   | Still on loan<br>Due: Reasonable<br>length of time. |
| Malvaceae<br>( <i>Malva</i> )        | 59  | Steven R. Hill<br>(ILLS)    | MO<br>Loan:<br># 94-649 | 7 December 1994                                   | Still on loan<br>Due: Reasonable<br>length of time. |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Herbarium

### B. Gifts or Exchanges:

#### 1. Vascular Plants to ILLS:

| From                                                                                                                                         | # Specimens | Date             |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------|
| Hoosier National Forest (Steve Olson) 1                                                                                                      | 1990        |                  |
| Private Collection (Gene Gardner)                                                                                                            | 50          | 1990             |
| Shawnee National Forest (Larry Stritch)                                                                                                      | 61          | 1990             |
| Shawnee National Forest (Ray Smith)                                                                                                          | 17          | 1990             |
| Private (Kevin Winship)                                                                                                                      | 2           | 1990             |
| Private (Linda Curtis)                                                                                                                       | 5           | July 1991        |
| Depart. of Conservation(Francis M. Harty & Bill Glass)                                                                                       | 1           | August 1991      |
| Mrs. Portia Smith (Retired from Economic Geology;<br>specimens collected by her aunt,<br>Althea Gilkerson, 1886 from<br>Mc Henry County, IL) | 50          | September 1991   |
| Private Collection (Don Gardner, Ford County)                                                                                                | 173         | October 1991     |
| USCH (J.B. Nelson)                                                                                                                           | 2           | October 1991     |
| ISC                                                                                                                                          | 1           | October 1991     |
| ILL exchange                                                                                                                                 | 1           | 4 February 1992  |
| Eric Ulaszek                                                                                                                                 | 200         | June 1992        |
| Private Collector (Jack Brooks, Washington County)                                                                                           | 200         | 15 June 1992     |
| MOR exchange                                                                                                                                 | 72          | 15 July 1992     |
| Private Collector (Daniel Cassens, Purdue University)                                                                                        | 140         | 27 August 1992   |
| Private Collector (Don Gardner, Ford County)                                                                                                 | 9           | 17 November 1992 |
| Kevin Winship                                                                                                                                | 1,400       | December 1992    |





# Transactions; Loans, Gifts, Data Requests/Queries continued

## Herbarium

| From                                         | # Specimens | Date             |
|----------------------------------------------|-------------|------------------|
| MO exchange                                  | 3           | 23 December 1992 |
| MO                                           | 15          | 12 February 1993 |
| SIU                                          | 2,000       | March 1993       |
| Private Collector (Don Gardner, Ford County) | 25          | 18 June 1993     |
| COLO                                         | 3           | 18 October 1993  |
| SD (D.R. Brunner)                            | 5           | 11 January 1994  |
| DAV (G.L. Webster) exchange                  | 47          | 26 January 1994  |
| NY                                           | 4           | 14 March 1994    |
| ARIZ (T. Devender)                           | 10          | 14 March 1994    |
| SIU (M.A. Basinger)                          | 320         | April 1994       |
| F (C.J. Niezgoda) exchange                   | 6           | 4 April 1994     |
| WIS (T.S. Cochrane)                          | 49          | 21 November 1994 |

## 2. Vascular Plants & Fungi From ILLS:

| To                 | # Specimens | Date            |
|--------------------|-------------|-----------------|
| EIU (J.E. Ebinger) | 234         | 19 October 1990 |
| OTT                | 9           | March 1991      |
| MO exchange        | 5           | March 1991      |
| ILL exchange       | 2           | March 1991      |
| UWO                | 9           | 27 March 1991   |
| MOR exchange       | 202         | 23 July 1991    |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Herbarium

|                                    |     |                  |
|------------------------------------|-----|------------------|
| LPB                                | 64  | 9 September 1991 |
| ILL exchange                       | 3   | 4 February 1992  |
| Shawnee National Forest            | 1   | 21 February 1992 |
| MOR exchange (fungi)               | 63  | 25 March 1992    |
| MOR exchange                       | 485 | 19 November 1992 |
| MICH exchange (fungi)              | 441 | 1993             |
| CA exchange (fungi)                | 506 | 1993             |
| UPS exchange (fungi)               | 243 | 1993             |
| LE exchange (fungi)                | 529 | 1993             |
| MICH                               | 1   | 17 February 1993 |
| Shawnee National Forest            | 2   | 6 April 1993     |
| COLO                               | 3   | 18 October 1993  |
| WIS (G. Smith)                     | 2   | 1994             |
| VDB (R. Kral)                      | 1   | 13 January 1994  |
| MO (P. Berry)                      | 237 | February 1994    |
| Shawnee National Forest (B. Shimp) | 3   | 1 June 1994      |
| MOR (G.S. Wilhelm) exchange        | 22  | 11 July 1994     |
| ILL (D.S. Seigler)                 | 15  | 11 July 1994     |
| AFS (R.K. Rabeler)                 | 1   | 3 October 1994   |
| CLEMS (J.E. Fairey, III)           | 245 | 9 November 1994  |
| USCH (J. Nelson)                   | 400 | 9 November 1994  |
| PE (Z. Li) exchange                | 107 | 12 December 1994 |
| TEX (P.A. Fryxell)                 | 168 | 17 November 1994 |
| Newberry College (C.N. Horn)       | 81  | 30 November 1994 |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Herbarium

### VI. Data Requests/Queries

#### A. Data Requests:

The following are label information only not specimen loans.

| <u>Request</u>                                                                     | <u># of specimens</u> | <u>Inquirer</u>         | <u>Date</u>       |
|------------------------------------------------------------------------------------|-----------------------|-------------------------|-------------------|
| Brassicaceae<br>( <i>Alliaria</i> )                                                | 21                    | V.A. Nuzzo              | 10 September 1990 |
| Fagaceae & Salicaceae<br>( <i>Quercus</i> & <i>Salix</i> hybrids)                  | 101                   | D. Bohn                 | 23 December 1990  |
| Winnebago County species                                                           | 94                    | M.D. Jones              | March 1991        |
| Boone County                                                                       | 83                    |                         | 1991              |
| Apiaceae                                                                           | 91                    | J.E. Karnes             | 21 October 1991   |
| Portulacaceae<br><i>Talinum rugospermum</i>                                        | 19                    | T.S. Chochrane<br>***** | 31 October 1991   |
| Asteraceae<br><i>Cacalia suaveolens</i>                                            | 5                     | L.C. Anderson           | 9 December 1991   |
| Orchidaceae<br><i>Aplectrum</i> , <i>Galearis</i> , &<br><i>Liparis lillifolia</i> | 89                    | J.E. Ebinger<br>(EIU)   | 18 February 1992  |
| Rhamnaceae<br><i>Rhamnus frangula</i>                                              | 25                    | L. Sanders<br>*****     | 4 October 1992    |
| Winnebago County species                                                           | 438                   | M.D. Jones              | 3 February 1993   |
| Asteraceae<br>selected species                                                     | 160                   | S. Masi                 | 26 April 1993     |
| Fabaceae<br><i>Lupinus perennis</i>                                                | 8                     | A. Palmer               | 28 April 1993     |
| Asteraceae<br><i>Helianthus annuus</i>                                             | 72                    | D. Asch<br>*****        | 8 November 1993   |





# Transactions; Loans, Gifts, Data Requests/Queries continued

## Herbarium

| Request                                       | # of specimens | Inquirer                     | Date              |
|-----------------------------------------------|----------------|------------------------------|-------------------|
| Convolvulaceae<br><i>Convolvulus arvensis</i> | 5              | US Department<br>Agriculture | 1994              |
| Asteraceae<br><i>Cirsium</i>                  | 341            | A. Patton<br>(KANU)          | 28 September 1994 |
| Orchidaceae<br><i>Spiranthes ovalis</i>       | 2              | M. Leach<br>(WIS)            | 18 October 1994   |
| Boraginaceae<br><i>Onosmodium</i>             | 64             | A.H. Williams<br>(WIS)       | 19 November 1994  |

## B. Queries

| Individual       | Date              | Reason                                                           | Location       |
|------------------|-------------------|------------------------------------------------------------------|----------------|
| David Wiseman    | 14 March 1990     | 1 plant identification                                           | Alton, IL      |
| David Wiseman    | 1 April 1990      | 1 algae identification                                           | Alton, IL      |
| Norma Wisely     | 14 September 1990 | 3 plant identification<br>and visit of potential<br>natural area | Oblong, IL     |
| David Niemann    | 9 October 1990    | 1 plant confirmation                                             | Schaumburg, IL |
| Judee Settersom  | 12 November 1990  | 1 fungal identification                                          | Barrington, IL |
| D.C. Gardner     | 14 November 1990  | 23 plant identifications                                         | Kempton, IL    |
| Grace Pflasterer | 16 April 1991     | 1 plant confirmation                                             | Valmeyer, IL   |
| Mary H. Rhoades  | 14 May 1991       | herbarium<br>computerization information                         | Blacksburg, IL |
| Pat Neighbors    | 21 May 1991       | 1 plant confirmation                                             | Flat Rock, IL  |
| Claude Smith     | 23 May 1991       | 1 plant identification                                           | Monmouth, IL   |
| Claude Smith     | 28 May 1991       | 2 plant identifications                                          | Monmouth, IL   |
| Bob Szafoni      | 3 June 1991       | 3 plant identifications                                          | Charleston, IL |
| Willet Wandell   | 12 June 1991      | 1 plant identification                                           | Oquawka, IL    |
| Holly Hudson     | 13 June 1991      | Aquatic plant preservation                                       | Chicago, IL    |



# Transactions; Loans, Gifts, Data Requests/Queries continued

| <u>Individual</u>                    | <u>Date</u>       | <u>Herbarium</u>                                                               |                                      |
|--------------------------------------|-------------------|--------------------------------------------------------------------------------|--------------------------------------|
|                                      |                   | <u>Reason</u>                                                                  | <u>Location</u>                      |
| Holly Hudson                         | 20 August 1991    | 23 Aquatics for identification                                                 | Chicago, IL                          |
| Michelle Bodamer                     | 20 August 1991    | 5 plant identifications                                                        | Springfield, IL                      |
| Jim Smith                            | 21 August 1991    | 1 plant identification                                                         | Homer, IL                            |
| Grace Pflasterer                     | 27 August 1991    | 1 plant identification                                                         | Valmeyer, IL                         |
| Ray Smith<br>Shawnee National Forest | 9 September 1991  | T. & E. locations                                                              | Jonesboro, IL                        |
| John B. Nelson<br>(USCH)             | 30 October 1991   | 94 plant identifications                                                       | Columbia, SC                         |
| Don Gardner                          | 30 November 1991  | 5 plant identifications                                                        | Kenpton, IL                          |
| Jack Brooks                          | 15 June 1992      | 200 plant identifications                                                      | Nashville, IL                        |
| Alice DeJarnet                       | 17 November 1992  | 3 plant identifications                                                        | Edwards College, IL                  |
| Don Gardner                          | 18 November 1992  | 9 plant identifications                                                        | Kempton, IL                          |
| Robin Goettel                        | 14 March 1993     | 2 plant specimens<br>borrowed & returned for<br>workshop on native<br>species. | Champaign, IL                        |
| Mr. Dale                             | 25 May 1993       | 1 plant identification                                                         | Champaign, IL                        |
| M. Hollowell                         | 11 June 1993      | 1 plant identification                                                         | Bloomington, IL                      |
| Don Gardner                          | 18 June 1993      | 25 plant identifications                                                       | Kempton, IL                          |
| Pam Tazik                            | 1 July 1993       | 2 plant identifications                                                        | Champaign, IL                        |
| Grace Pflasterer                     | 7 July 1993       | 2 plant identifications                                                        | Valmeyer, IL                         |
| Jack Brooks                          | 30 July 1993      | 4 plant identifications                                                        | Nashville, IL                        |
| Mark Kay Solecki                     | 15 September 1993 | 109 specimens borrowed<br>& returned for grass<br>identification workshop      | IL Nature<br>Preserves<br>Commission |
| Janet Kerchner                       | 15 October 1993   | 2 plant identifications                                                        | Beardstown, IL                       |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Herbarium

|                  |                   |                          |                                |
|------------------|-------------------|--------------------------|--------------------------------|
| Kris Erickson    | 18 October 1993   | 3 plant identifications  | St. Louis, MO                  |
| Terry Mayer      | 1993              | 2 plant identifications  | West Brooklyn, IL              |
| Don Gardner      | 27 May 1994       | 3 plant identifications  | Kempton, IL                    |
| P.L. Nixon       | 31 May 1994       | 1 plant identification   | Urbana, IL                     |
| W.G. Wells       | 20 June 1994      | 1 plant identification   | Libertyville, IL               |
| K. Lynn          | 28 June 1994      | 19 plant identifications | Glen Carbon, IL                |
| M.A. Hartman     | 29 June 1994      | 40 plant identifications | Sand Ridge<br>State Forest, IL |
| D. Gardner       | 11 August 1994    | 2 plant identifications  | Kempton, IL                    |
| S. Moulder       | 14 September 1994 | 1 plant identification   | ?, IL                          |
| Don O. Frederick | 7 November 1994   | 1 plant identification   | Newton, IL                     |

### Summary of 1994 Transactions (loans, gifts, data requests & queries):

| Transactions                                 | # of specimens |
|----------------------------------------------|----------------|
| Loans:                                       |                |
| specimens sent on loan (4 transactions)      | 24             |
| specimens received on loan (36 transactions) | 6046           |
| Vascular plants received by ILLS:            |                |
| Gifts (5 transactions)                       | 388            |
| Exchange (2 transactions)                    | 53             |
| Vascular plants sent by ILLS:                |                |
| Gifts (10 transaction)                       | 1153           |
| Exchanges (2 transactions)                   | 129            |
| Computer Data Requests (4 requests)          | 412            |
| Queries:                                     |                |
| Identifications (3 queries)                  | 68             |
| Additions to the herbarium                   |                |
| Specimens mounted                            | 1709           |
| Specimens accessioned                        | 1709           |
| Backlog of unmounted/unaccessioned specimens | 5,000          |





# Transactions; Loans, Gifts, Data Requests/Queries continued

## Amphibians & Reptiles



### Loans and Gifts:

#### A. Loans (1990 to 1994):

| <u># Specimens<br/>Returned</u> | <u>Borrower</u>  | <u>Affiliation</u>          | <u>Date Borrowed</u> <u>Date</u> |               |
|---------------------------------|------------------|-----------------------------|----------------------------------|---------------|
| 4                               | Montanucci, R.R. | Clemson Univ.               | 4/6/90                           | 4/24/90       |
| 21                              | Brown, L.E.      | Illinois State Univ.        | 9/17/90                          | still on loan |
| 1                               | Burr, B.M.       | Southern Illinois Univ.     | 10/23/90                         | still on loan |
| 2                               | Walley, H.D.     | Northern Illinois Univ.     | 1/14/91                          | 3/11/91       |
| 1                               | Jeffords, M.     | INHS                        | 8/6/91                           | still on loan |
| 25                              | Brandon, R.A.    | Southern Illinois Univ.     | 9/28/91                          | 3/6/93        |
| 60                              | Velhagen, W.A.   | Duke Univ.                  | 6/5/92                           | still on loan |
| 126                             | Lynch, J.D.      | Univ. of Nebraska           | 6/7/92                           | 12/21/92      |
| 4                               | Brandon, R.A.    | Southern Illinois Univ.     | 6/9/92                           | still on loan |
| 5                               | Arnold, S.J.     | Univ. of Chicago            | 12/21/92                         | 12/31/92      |
| 13                              | Tucker, J.K.     | INHS-Alton Field Station    | 9/28/93                          | still on loan |
| 7                               | Krodel, D.       | University of Illinois      | 2/15/94                          | 2/18/94       |
| 1                               | Jeffords, M.     | INHS-CEE                    | 4/15/94                          | still on loan |
| 11                              | Nixon, P.        | INHS-CEE                    | 8/25/94                          | 8/26/94       |
| 40                              | Poskin, T.       | Eastern Illinois University | 10/21/94                         | still on loan |

#### B. Major Gifts or Exchanges:

None



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Amphibians & Reptiles

### VI. Requests for Information:

#### A. Data Requests:

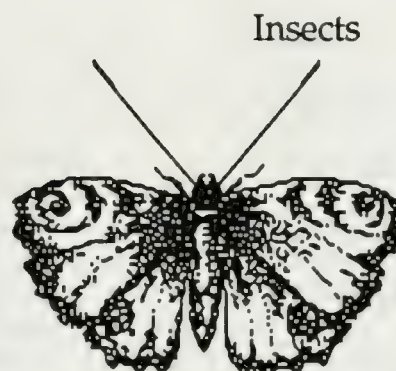
| <u># Records</u> | <u>Inquirer</u>             | <u>Affiliation</u>           | <u>Date</u> |
|------------------|-----------------------------|------------------------------|-------------|
| 73               | Tucker, J.K.                | INHS-LTRM                    | 1/12/94     |
| 8                | consultants (via K. Hunter) |                              | Georgia     |
|                  | 1/20/94                     |                              |             |
| 34               | Redmer, M.                  | Southern Illinois University | 1/21/94     |
| 4                | Whiting, M.J.               | Texas Park & Wildlife Dept.  | 2/2/94      |
| 26               | Walley, H.D.                | Northern Illinois University | 2/3/94      |
| 77               | Tucker, J.K.                | INHS-LTRM                    | 2/15/94     |
| 10               | Levell, J.                  | Bell Museum Nat. Hist., MN   | 3/11/94     |
| 268              | Rosen, P.C.                 | University of Arizona        | 4/11/94     |
| 191              | Loges, B.                   | Eastern Illinois University  | 4/19/94     |
| 12               | Christiansen, J.L.          | Drake University             | 10/19/94    |
| 74               | Moll, E.                    | Eastern Illinois University  | 10/26/94    |
| 122              | Tucker, J.K.                | INHS-LTRM                    | 10/26/94    |
| 48               | Petzing, J.                 | Southern Illinois University | 11/21/94    |

#### B. Miscellaneous Requests:

None



# Transactions; Loans, Gifts, Data Requests/Queries continued



## Loans:

### A. Loans Borrowed:

| <u>Nature of Loan</u>        | <u>Borrower</u>                                                                                           | <u>Date Borrowed</u> |
|------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------|
| Thysanoptera:Phlaeothripidae | Dr. Laurence Mound<br>The Natural History Museum<br>London, ENGLAND                                       | 18 January 1994      |
| Hymenoptera:Evaniidae        | Dr. Mike Huben<br>Museum of Comparative Zoology<br>Cambridge, Massachusetts USA                           | 20 January 1994      |
| Odonata                      | Tim Vogt<br>The Nature Conservancy<br>Ullin, Illinois USA                                                 | 27 January 1994      |
| Coleoptera:Chrysomelidae     | Andrew H. Williams<br>University of Wisconsin-Madison<br>Madison, Wisconsin USA                           | 1 February 1994      |
| Coleoptera:Coccinellidae     | H. Wilson Montgomery /<br>Dr. Michael Goodrich<br>Eastern Illinois University<br>Charleston, Illinois USA | 4 February 1994      |
| Homoptera:Cercopidae         | Dr. K. G. A. Hamilton<br>Agriculture Canada<br>Ottawa, Ontario CANADA                                     | 3 March 1994         |
| Coleoptera:Cerambycidae      | Dr. Ted C. MacRae<br>Novo Nordisk Entotech, Inc.<br>Davis, California USA                                 | 10 March 1994        |





# Transactions; Loans, Gifts, Data Requests/Queries continued

## Insects

| Nature of Loan                 | Borrower                                                                          | Date Borrowed |
|--------------------------------|-----------------------------------------------------------------------------------|---------------|
| Hymenoptera:Apidae             | Liz Day / Dan Summers<br>Field Museum of Natural History<br>Chicago, Illinois USA | 10 March 1994 |
| Homoptera:Aphididae            | Dr. F. W. Quednau<br>Laurentian Forestry Centre<br>Sainte-Foy, Quebec CANADA      | 10 March 1994 |
| Hymenoptera:Anthophoridae      | Dr. Byron Alexander<br>The University of Kansas<br>Lawrence, Kansas USA           | 11 March 1994 |
| Ephemeroptera:Tricorythidae    | Dr. John F. Flannagan<br>Freshwater Institute<br>Winnipeg, Manitoba CANADA        | 17 March 1994 |
| Diptera:Milichiidae            | Dr. John Swann<br>Royal Ontario Museum<br>Toronto, Ontario CANADA                 | 22 March 1994 |
| Lepidoptera:Sessidae           | Dr. Jim Appleby<br>Illinois Natural History Survey<br>Champaign, Illinois USA     | 23 March 1994 |
| Coleoptera:Coccinellidae       | Dr. Michael Goodrich<br>Eastern Illinois University<br>Charleston, Illinois USA   | 25 March 1994 |
| Hymenoptera:Aphelinidae        | Mike Rose<br>Texas A & M University<br>College Station, Texas USA                 | 27 April 1994 |
| Hymenoptera:Anthophoridae      | Dr. Robert W. Brooks<br>University of Kansas<br>Lawrence, Kansas USA              | 4 May 1994    |
| Lepidoptera:Sphingidae         | Dr. Jim Appleby<br>Illinois Natural History Survey<br>Champaign, Illinois USA     | 20 June 1994  |
| Plecoptera:Perlidae<br>4 loans | Dr. Bill Stark<br>Mississippi College<br>Clinton, Mississippi USA                 | 1 July 1994   |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Insects

|                                            |                                                                                                             |                  |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------|
| Thysanoptera:Thripidae<br>5 loans          | Dr. Steve Nakahara<br>ARS -USDA<br>Beltsville, Maryland USA                                                 | 1 July 1994      |
| Diplopoda                                  | Dr. Dreux Watermolen<br>Wisconsin Department of Natural Resources<br>Madison, Wisconsin USA                 | 7 July 1994      |
| Diptera:Sphaeroceridae                     | Dora Isabel Quiros/ Dr. K. C. Kim<br>The Pennsylvania State University<br>University Park, Pennsylvania USA | 8 July 1994      |
| Trichoptera:Rhyacophilidae                 | Dr. John C. Morse<br>Clemson University<br>Clemson, South Carolina USA                                      | 8 July 1994      |
| Collembola:Onychiuridae                    | Dr. Judith Najt<br>Museum National D'Histoire Naturelle<br>Paris, FRANCE                                    | 11 July 1994     |
| Diptera:Sphaeroceridae                     | Dora Isabel Quiros/ Dr. K. C. Kim<br>The Pennsylvania State University<br>University Park, Pennsylvania USA | 26 July 1994     |
| Homoptera:Aphididae                        | Dr. F. W. Quednau<br>Laurentian Forestry Centre<br>Sainte-Foy, Quebec CANADA                                | 1 August 1994    |
| Plecoptera: Taeniopterygidae               | Dr. Kenneth W. Stewart<br>North Texas University<br>Denton, Texas USA                                       | 30 August 1994   |
| Hymenoptera:Halictidae                     | Dr. William T. Wcislo<br>Cornell University<br>Ithaca, New York USA                                         | 30 August 1994   |
| Coleoptera:Heteroceridae                   | Dr. W. T. Miller<br>Modesto, California USA                                                                 | 31 August 1994   |
| Mecoptera, Diptera:<br>Boreidae, Tipulidae | Dr. Edward Lisowski<br>Tacoma, Washington USA                                                               | 1 September 1994 |
| Hymenoptera:Anthophoridae                  | Dr. Robert W. Brooks<br>University of Kansas<br>Lawrence, Kansas USA                                        | March 1994       |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Insects

| <u>Nature of Loan</u>            | <u>Borrower</u>                                                               | <u>Date Borrowed</u> |
|----------------------------------|-------------------------------------------------------------------------------|----------------------|
| Plecoptera:Taeniopterygidae      | Dr. Kenneth W. Stewart<br>North Texas State University<br>Denton, Texas USA   | 9 September 1994     |
| Plecoptera:Perlidae              | Dr. Bill Stark<br>Mississippi College<br>Clinton, Mississippi USA             | 12 September 1994    |
| Mecoptera:Bittacidae, Panorpidae | Dr. G. W. Byers<br>University of Kansas<br>Lawrence, Kansas USA               | 13 September 1994    |
| Hymenoptera:Chalcididae          | Marcelo Teixeira Tavares<br>Universidade Federal de Sao Carlos<br>BRAZIL      | 14 September 1994    |
| Coleoptera:Heteroceridae         | Dr. W. V. Miller<br>Modesto, California USA                                   | 16 September 1994    |
| Diptera:Syrphidae                | Dr. Mark A. Metz<br>California State University<br>Northridge, California USA | 21 September 1994    |
| Diptera:Tipulidae                | Dr. Edward Lisowski<br>Tacoma, Washinton USA                                  | 4 October 1994       |
| Plecoptera:Perlidae              | Dr. Bill Stark<br>Mississippi College<br>Clinton, Mississippi USA             | 12 October 1994      |
| Plecoptera:Leuctridae            | Dr. P. P. Harper<br>Université de Montréal<br>Montréal, Québec CANADA         | 27 October 1994      |
| Plecoptera:Leuctridae            | Dr. P. P. Harper<br>Université de Montréal<br>Montréal, Québec CANADA         | 27 October 1994      |
| Ephemeroptera                    | Dr. W. P. McCafferty<br>Purdue University<br>West Lafayette, Indiana USA      | 2 November 1994      |
| Diptera:Chamaemyiidae            | Steve Gaimari<br>University of Illinois<br>Urbana, Illinois USA               | 7 November 1994      |





# Transactions; Loans, Gifts, Data Requests/Queries continued

## Insects

| <u>Nature of Loan</u>                                           | <u>Borrower</u>                                                                                         | <u>Date Borrowed</u> |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------|
| Plecoptera:Pteronarcyidae                                       | Dr. Richard E. Hill<br>Fair Oaks<br>Sacramento, California USA                                          | 7 November 1994      |
| Lepidoptera:Tortricidae                                         | Dr. Michael Sabourin<br>c/o Dr. William E. Miller<br>University of Minnesota<br>St. Paul, Minnesota USA | 15 November 1994     |
| Ephemeroptera                                                   | Dr. W. P. McCafferty<br>Purdue University<br>West Lafayette, Indiana USA                                | 17 November 1994     |
| Trichoptera:Polycentropodidae,<br>Hydropsychidae, Psychomyiidae | Dr. Steve Moulton II<br>Penn State University<br>University Park, Pennsylvania USA                      | 2 December 1994      |
| Diptera:Dolichopodidae                                          | Dr. F. Christian Thompson<br>Smithsonian Institution<br>Washington, DC USA                              | 24 August 1994       |
| Diptera:Syrphidae                                               | Liz Day<br>Indianapolis, Indiana USA                                                                    | 14 December 1994     |
| Coleoptera:Dermestidae                                          | Michael Jeffords<br>Illinois Natural History Survey<br>Champaign, Illinois USA                          | 30 December 1994     |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Insects

### B. Loan Returns

| <u>Date borrowed/Nature of Loan</u>              | <u>Borrower</u>                                                                        | <u>Date Returned</u> |
|--------------------------------------------------|----------------------------------------------------------------------------------------|----------------------|
| 4 May 1978<br>Hymenoptera:Anthophoridae          | Robert W. Brooks<br>University of California<br>Davis, California USA                  | 27 August 1994       |
| 30 January 1966<br>Diptera:Blepharoceridae       | Dr. Charles L. Hogue<br>Los Angeles County Museum<br>Los Angeles, California USA       | 4 October 1994       |
| 16 September 1980<br>Plecoptera:Taeniopterygidae | Dr. Richard Baumann, Director<br>Brigham Young University<br>Provo, Utah USA           | 10 February 1994     |
| 13 June 1960<br>Coleoptera:Staphylinidae         | Mr. W. V. Miller<br>William Cooper & Nephews, Inc.<br>Chicago, Illinois USA            | 31 August 1994       |
| 7 March 1986<br>Coleoptera:Curculionidae         | Mr. Tim Spanton<br>c/o Dr. George Ball<br>The University of Alberta<br>Edmonton CANADA | 30 November 1994     |
| 27 November 1990<br>Trichoptera:Limnephilidae    | Dave Ruiter<br>USEPA<br>Denver, Colorado USA                                           | 20 April 1994        |
| 27 November 1990<br>Trichoptera:Limnephilidae    | Dave Ruiter<br>USEPA<br>Denver, Colorado USA                                           | 20 April 1994        |
| 27 November 1990<br>Trichoptera:Limnephilidae    | Dave Ruiter<br>USEPA<br>Denver, Colorado USA                                           | 20 April 1994        |
| 31 July 1991<br>Trichoptera:Leptoceridae         | Mr. Michael A. Floyd<br>Clemson, South Carolina USA                                    | 9 June 1994          |
| 11 December 1991<br>Thysanoptera:Thripidae       | Dr. Steve Passoa<br>USDA/APHIS/PPQ<br>Reynoldsburg, Ohio USA                           | 24 May 1994          |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Insects

| <u>Date borrowed/Nature of Loan</u>                                        | <u>Borrower</u>                                                                                        | <u>Date Returned</u> |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------|
| 6 July 1992<br>Orthoptera:Gryllacrididae                                   | Mike Jeffords<br>Illinois Natural History Survey<br>Champaign, Illinois USA                            | 15 April 1994        |
| 21 September 1992<br>Plecoptera:Taeniopterygidae,<br>Leuctridae, Capniidae | Dr. Richard W. Baumann<br>Brigham Young University<br>Provo, Utah USA                                  | 10 February 1994     |
| 1 October 1992<br>Trichoptera:Leptoceridae                                 | Michael A. Floyd/ Dr. John C. Morse<br>College of Agricultural Sciences<br>Clemson, South Carolina USA | 9 June 1994          |
| 13 January 1993<br>Hymenoptera:Sphecidae                                   | Dr. Mag. Hermann Dollfuss<br>Mank, AUSTRIA                                                             | 30 March 1994        |
| 8 March 1993<br>Ephemeroptera:Ephemerellidae                               | Dr. David H. Funk<br>Acad. of Natural Sciences of Philadelphia<br>Avondale, Pennsylvania USA           | 2 March 1994         |
| 19 March 1993<br>Neuroptera:Corydalidae                                    | Atilano Contreras-Ramos<br>Department of Entomology<br>St. Paul, Minnesota USA                         | 29 August 1994       |
| 3 May 1993<br>Trichoptera:Helicopsychidae                                  | Dr. Kjell Arne Johanson<br>University of Bergen<br>Bergen, NORWAY                                      | 27 October 1994      |
| 23 June 1993<br>Trichoptera:Leptoceridae                                   | Dr. John C. Morse<br>Clemson University<br>Clemson, South Carolina USA                                 | 2 September 1994     |
| 23 Sept 1993<br>Trichoptera                                                | Stephen R. Moulton II<br>University of North Texas<br>Denton, Texas USA                                | 10 May 1994          |
| 14 October 1993<br>Odonata                                                 | Tim Vogt<br>The Nature Conservancy<br>Ullin, Illinois USA                                              | 10 May 1994          |
| 21 October 1993<br>Homoptera:Delphacidae                                   | Charles Bartlett<br>North Carolina State University<br>Raleigh, North Carolina USA                     | 19 January 1994      |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Insects

| <u>Date borrowed/Nature of Loan</u>             | <u>Borrower</u>                                                                   | <u>Date Returned</u> |
|-------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|
| 6 December 1993<br>Coleoptera:Chrysomelidae     | Dr. Charles L. Staines<br>Edgewater, Maryland USA                                 | 20 January 1994      |
| 18 January 1994<br>Thysanoptera:Phlaeothripidae | Dr. Laurence Mound<br>The Natural History Museum<br>London, ENGLAND               | 30 March 1994        |
| 27 January 1994<br>Odonata                      | Tim Vogt<br>The Nature Conservancy<br>Ullin, Illinois USA                         | 10 May 1994          |
| 3 March 1994<br>Homoptera:Cercopidae            | Dr. K. G. A. Hamilton<br>Agriculture Canada<br>Ottawa, Ontario CANADA             | 22 April 1994        |
| 10 March 1994<br>Hymenoptera:Apidae             | Liz Day / Dan Summers<br>Field Museum of Natural History<br>Chicago, Illinois USA | 4 August 1994        |
| 10 March 1994<br>Homoptera:Aphididae            | Dr. F. W. Quednau<br>Sainte-Foy<br>Quebec, CANADA                                 | 1 August 1994        |
| 17 March 1994<br>Ephemeroptera:Tricorythidae    | Dr. John F. Flannagan<br>Freshwater Institute<br>Winnipeg, Manitoba CANADA        | 21 November 1994     |
| 22 March 1994<br>Diptera:Milichiidae            | Dr. John Swann<br>Royal Ontario Museum<br>Toronto, Ontario CANADA                 | 11 July 1994         |
| 23 March 1994<br>Lepidoptera:Sessidae           | Dr. Jim Appleby<br>Illinois Natural History Survey<br>Champaign, Illinois USA     | 25 March 1994        |
| 2 March 1977<br>Plecoptera:Peltoperlidae        | Dr. Bill Stark<br>Mississippi College<br>Clinton, Mississippi USA                 | 6 June 1994          |





# Transactions; Loans, Gifts, Data Requests/Queries continued

## Insects

| <u>Date borrowed/Nature of Loan</u>           | <u>Borrower</u>                                                               | <u>Date Returned</u> |
|-----------------------------------------------|-------------------------------------------------------------------------------|----------------------|
| 20 June 1994<br>Lepidoptera:Sphingidae        | Dr. Jim Appleby<br>Illinois Natural History Survey<br>Champaign, Illinois USA | 21 June 1994         |
| 1 July 1994<br>Plecoptera:Perlidae<br>4 loans | Dr. Bill Stark<br>Mississippi College<br>Clinton, Mississippi USA             | 6 September 1994     |
| 11 July 1994<br>Collembola:Onychiuridae       | Dr. Judith Najt<br>Museum National D'Histoire Naturelle<br>Paris, FRANCE      | 2 December 1994      |
| 1 August 1994<br>Homoptera:Aphididae          | Dr. F. W. Quednau<br>Laurentian Forestry Centre<br>Sainte-Foy, Quebec CANADA  | 30 November 1994     |
| 30 August 1994<br>Plecoptera:Taeniopterygidae | Dr. Kenneth W. Stewart<br>North Texas University<br>Denton, Texas USA         | 16 December 1994     |
| 31 August 1994<br>Coleoptera:Heteroceridae    | Dr. W. T. Miller<br>Modesto, California USA                                   | 27 October 1994      |
| March 1994<br>Hymenoptera:Anthophoridae       | Dr. Robert W. Brooks<br>University of Kansas<br>Lawrence, Kansas USA          | 6 September 1994     |
| 16 September 1994<br>Coleoptera:Heteroceridae | Dr. W. V. Miller<br>Modesto, California USA                                   | 11 October 1994      |
| 4 October 1994<br>Diptera:Tipulidae           | Dr. Edward Lisowski<br>Tacoma, Washington USA                                 | 4 October 1994       |
| 2 November 1994<br>Ephemeroptera              | Dr. W. P. McCafferty<br>Purdue University<br>West Lafayette, Indiana USA      | 21 November 1994     |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Insects

### Summary of loans 1990 -1994

| Year     | # of new loans | # of returning loans | # of specimens loaned & returned |
|----------|----------------|----------------------|----------------------------------|
| 1990     | 58             | 110                  | 40,329                           |
| 1991     | 66             | 58                   | 26,829                           |
| 1992     | 56             | 64                   | 24,800                           |
| 1993     | 69             | 62                   | 73,352                           |
| 1994     | 56             | 44                   | 30,939                           |
| Totals = | 305            | 338                  | 196,249                          |

### B. Gifts and Accessions:

| Date Deposited/Group deposited                        | Locality                                      | Collector                                                                                     | # of spec. |
|-------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------|------------|
| 1 Feb 1994<br>Araneae                                 | Illinois                                      | M. A. Harris<br>Illinois Natural History Survey<br>Champaign, Illinois USA                    | 2          |
| March 1994<br>Megaloptera<br>Dytiscidae<br>Plecoptera | Illinois                                      | L. M. Page<br>Illinois Natural History Survey<br>Champaign, Illinois USA                      | 15         |
| 8 March 1994<br>Cerambycidae                          | Michigan,<br>Japan, Ghana<br>Mexico, Illinois | N. G. Seaborg via John Bouseman<br>Illinois Natural History Survey<br>Champaign, Illinois USA | 593        |
| 14 Mar 1994<br>Trichoptera<br>paratypes               |                                               | Margot P. Monson<br>University of Minnesota<br>St. Paul, Minnesota USA                        | 2          |
| 14 Mar 1994<br>Araneae                                | Indiana                                       | M. A. Harris & K. R. Methven<br>Illinois Natural History Survey<br>Champaign, Illinois USA    | 10         |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Insects

| Date Deposited/Group                    | Locality              | Collector                                                                  | # of spec. deposited |
|-----------------------------------------|-----------------------|----------------------------------------------------------------------------|----------------------|
| 21 March 1994<br>centipede              |                       | M. A. Harris<br>Illinois Natural History Survey<br>Champaign, Illinois USA | 1                    |
| 23 Mar 1994<br>Araneae                  | Illinois              | M. A. Harris<br>Illinois Natural History Survey<br>Champaign, Illinois USA | 3                    |
| 30 Mar 1994<br>Araneae                  | Illinois              | M. A. Harris<br>Illinois Natural History Survey<br>Champaign, Illinois USA | 1                    |
| 20 April 1994<br>Trichoptera<br>Araneae | Tennessee<br>Illinois | M. A. Harris<br>Illinois Natural History Survey<br>Champaign, Illinois USA | 2                    |
| 27 April 1994<br>miscellaneous          | Illinois              | Sharon Baum<br>Illinois Natural History Survey<br>Champaign, Illinois      | 87                   |
| 29 April 1994<br>Araneae                | Illinois              | M. A. Harris<br>Illinois Natural History Survey<br>Champaign, Illinois     | 1                    |
| 3 May 1994<br>Araneae                   | Illinois              | D. W. Webb<br>Illinois Natural History Survey<br>Champaign, Illinois       | 6                    |
| 7 June 1994<br>Thysanoptera             | Venezuela             | L. R. Davis<br>USDA<br>Gainesville, Florida                                | 32                   |
| 7 June 1994<br>Araneae                  | Illinois              | K. R. Methven<br>Illinois Natural History Survey<br>Champaign, Illinois    | 1                    |
| 7 June 1994<br>Odonata<br>Araneae       | Illinois              | M. A. Harris<br>Illinois Natural History Survey<br>Champaign, Illinois     | 2                    |
| 7 June 1994<br>Acari<br>Coleoptera      | Illinois              | M. J. Wetzel<br>Illinois Natural History Survey<br>Champaign, Illinois     | 6                    |





# Transactions; Loans, Gifts, Data Requests/Queries

## continued

### Insects

| Date Deposited/Group                                                         | Locality                                     | Collector                                                                                                               | # of spec. deposited |
|------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------|
| 10 June 1994<br>Araneae<br>Neuroptera                                        | Tennessee                                    | M. A. Harris<br>Illinois Natural History Survey<br>Champaign, Illinois                                                  | 10                   |
| 10 June 1994<br>Trichoptera                                                  |                                              | M. A. Floyd<br>Illinois Natural History Survey<br>Champaign, Illinois                                                   | 26                   |
| 8 July 1994<br>Araneae<br>Plecoptera<br>Solifugid<br>Psocoptera<br>Chilopoda | Costa Rica<br>Illinois                       | R. Allen & M. E. Irwin<br>Illinois Natural History Survey<br>Champaign, Illinois                                        | 12                   |
| 11 July 1994<br>Araneae                                                      | Illinois                                     | R. Phillippe<br>Illinois Natural History Survey<br>Champaign, Illinois                                                  | 1                    |
| 11 July 1994<br>Araneae                                                      | Illinois                                     | M. A. Harris<br>Illinois Natural History Survey<br>Champaign, Illinois                                                  | 2                    |
| 11 July 1994<br>Araneae                                                      | Illinois                                     | S. Driesner<br>Illinois Natural History Survey<br>Champaign, Illinois                                                   | 1                    |
| 11 July 1994<br>Hymenoptera<br>Homoptera<br>Coleoptera                       | California                                   | D. Yanega<br>Illinois Natural History Survey<br>Champaign, Illinois                                                     | 81                   |
| 11 July 1994<br>Araneae                                                      | Illinois                                     | K.R. Methven, B. Fuller, J. Angel<br>Illinois Natural History Survey &<br>University of Illinois<br>Champaign, Illinois | 22                   |
| 11 July 1994<br>Diptera<br>Coleoptera<br>Homoptera                           | Illinois<br>Virginia<br>Kentucky<br>Missouri | E. A. Lisowski<br>Illinois Natural History Survey<br>Champaign, Illinois                                                | 795                  |
| 12 July 1994<br>Araneae                                                      | Illinois                                     | M. A. Harris<br>Illinois Natural History Survey<br>Champaign, Illinois                                                  | 3                    |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Insects

| Date Deposited/Group                                                                                         | Locality           | Collector                                                                           | # of spec. deposited |
|--------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|----------------------|
| 12 July 1994<br>Arachnids<br>miscellaneous                                                                   | Illinois           | K. R. Methven, B. Fuller<br>Illinois Natural History Survey<br>Champaign, Illinois  | 1,110                |
| 14 July 1994<br>Odonata<br>Neuroptera<br>Coleoptera<br>Lepidoptera<br>Hymenoptera<br>Orthoptera<br>Homoptera | Illinois<br>Israel | M. E. Irwin<br>Illinois Natural History Survey<br>Champaign, Illinois               | 242                  |
| 15 July 1994<br>Coleoptera<br>Hymenoptera<br>Hemiptera                                                       | Illinois           | M. E. Irwin<br>Illinois Natural History Survey<br>Champaign, Illinois               | 300                  |
| 15 July 1994<br>Hymenoptera                                                                                  | Mexico             | W. E. LaBerge & D. Yanega<br>Illinois Natural History Survey<br>Champaign, Illinois | 37                   |
| 15 July 1994<br>Araneae<br>Dolomedidae                                                                       | Illinois           | M. Braasch<br>Illinois Natural History Survey<br>Champaign, Illinois                | 1                    |
| 17 July 1994<br>Hymenoptera                                                                                  | Mexico             | D. Yanega<br>Illinois Natural History Survey<br>Champaign, Illinois                 | 30                   |
| 19 July 1994<br>Araneae<br>miscellaneous                                                                     | Illinois           | B. Fuller & K. Methven<br>Illinois Natural History Survey<br>Champaign, Illinois    | 287                  |
| 28 July 1994<br>Araneae                                                                                      | Illinois           | R. Phillippe<br>Illinois Natural History Survey<br>Champaign, Illinois              | 15                   |
| 5 August 1994<br>Hymenoptera                                                                                 | Mexico             | W. E. LaBerge<br>Illinois Natural History Survey<br>Champaign, Illinois             | 111                  |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Insects

| Date Deposited/Group                           | Locality | Collector                                                                              | # of spec. deposited |
|------------------------------------------------|----------|----------------------------------------------------------------------------------------|----------------------|
| 30 August 1994<br>Araneae                      | Illinois | R. Phillippe<br>Illinois Natural History Survey<br>Champaign, Illinois                 | 5                    |
| 2 September 1994<br>Apidae                     | Mexico   | D. Yanega<br>Illinois Natural History Survey<br>Champaign, Illinois                    | 23                   |
| 2 September 1994<br>Araneae                    | Florida  | J. W. Armbruster<br>Illinois Natural History Survey<br>Champaign, Illinois             | 1                    |
| 2 September 1994<br>Araneae                    | Illinois | M. A. Harris<br>Illinois Natural History Survey<br>Champaign, Illinois                 | 1                    |
| 12 September 1994<br>Hymenoptera<br>Plecoptera | Mexico   | D. Yanega<br>Illinois Natural History Survey<br>Champaign, Illinois                    | 15                   |
| 13 September 1994<br>Araneae                   | Illinois | R. Phillipe<br>Illinois Natural History Survey<br>Champaign, Illinois                  | 4                    |
| 13 September 1994                              | Illinois | M. A. Harris<br>Illinois Natural History Survey<br>Champaign, Illinois USA             | 1                    |
| 15 September 1994<br>Hymenoptera<br>Diptera    | Mexico   | D. Yanega, W. E. LaBerge<br>Illinois Natural History Survey<br>Champaign, Illinois USA | 178                  |
| 3 October 1994<br>Araneae                      | Illinois | L. R. Phillippe<br>Illinois Natural History Survey<br>Champaign, Illinois USA          | 8                    |
| 4 October 1994<br>Araneae                      | Illinois | D. W. Webb<br>Illinois Natural History Survey<br>Champaign, Illinois USA               | 1                    |
| 4 October 1994<br>Araneae                      | Illinois | B. Mustain<br>Urbana, Illinois USA                                                     | 3                    |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Insects

| Date Deposited/Group                        | Locality | Collector                                                                                               | # of spec. deposited |
|---------------------------------------------|----------|---------------------------------------------------------------------------------------------------------|----------------------|
| 4 October 1994<br>Odonata                   | Illinois | M. A. Harris<br>Illinois Natural History Survey<br>Champaign, Illinois USA                              | 2                    |
| 5 October 1994<br>Araneae                   | Illinois | M. A. Harris, H. E. Kitchel, C. A. Taylor<br>Illinois Natural History Survey<br>Champaign, Illinois USA | 4                    |
| 5 October 1994<br>Hymenoptera               | Illinois | W. Brigham<br>Illinois Natural History Survey<br>Champaign, Illinois USA                                | 1                    |
| 5 October 1994<br>Ephemeroptera             | Illinois | D. W. Webb<br>Illinois Natural History Survey<br>Champaign, Illinois USA                                |                      |
| 5 October 1994<br>Odonata<br>Hemiptera      | Arizona  | J. W. Armbruster, M. H. Sabaj<br>Illinois Natural History Survey<br>Champaign, Illinois USA             | 21                   |
| 17 October 1994<br>Araneae                  | Illinois | M. A. Harris & K. R. Methven<br>Illinois Natural History Survey<br>Champaign, Illinois USA              | 143                  |
| 17 October 1994<br>Illinois                 | Illinois | L. R. Phillippe, G. A. Levin<br>Illinois Natural History Survey<br>Champaign, Illinois USA              | 4                    |
| 17 October 1994<br>Coleoptera               | Illinois | M. A. Harris, D. A. Yanega,<br>C. Nixon<br>Illinois Natural History Survey<br>Champaign, Illinois USA   | 2                    |
| 17 October 1994<br>Coleoptera               | Illinois | M. A. Harris, C. A. Taylor<br>Illinois Natural History Survey<br>Champaign, Illinois USA                | 1                    |
| 20 October 1994<br>Illinois                 | Illinois | M. A. Harris<br>Illinois Natural History Survey<br>Champaign, Illinois USA                              | 20                   |
| 31 October 1994<br>Trichoptera<br>Hemiptera | Wyoming  | L. M. Page<br>Illinois Natural History Survey<br>Champaign, Illinois USA                                | 10                   |





# Transactions; Loans, Gifts, Data Requests/Queries continued

## Insects

| Date Deposited/Group                                       | Locality                                  | Collector                                                                                   | # of spec. deposited |
|------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|
| 31 October 1994<br>Araneae<br>Coleoptera                   | Illinois                                  | D. Voegtlin<br>Illinois Natural History Survey<br>Champaign, Illinois USA                   | 18                   |
| 31 October 1994<br>Araneae                                 | Illinois                                  | G. A. Levin & L. R. Phillippe<br>Illinois Natural History Survey<br>Champaign, Illinois USA | 6                    |
| 31 October 1994<br>Odonata                                 | Illinois                                  | Charles A. Bridge<br>Illinois Natural History Survey<br>Champaign, Illinois USA             | 2                    |
| 31 October 1994<br>Odonata<br>Ephemeroptera                | Illinois                                  | M. A. Harris<br>Illinois Natural History Survey<br>Champaign, Illinois USA                  | 20                   |
| 31 October 1994<br>Hymenoptera                             | Arizona<br>Texas<br>California<br>Georgia | J. Adams<br>Illinois Natural History Survey<br>Champaign, Illinois USA                      | 124                  |
| 17 November 1994<br>Diptera                                | Brazil                                    | S. Gaimari<br>University of Illinois<br>Champaign, Illinois USA                             | 2                    |
| 17 November 1994<br>Coleoptera                             | New York                                  | D. Yanega<br>Illinois Natural History Survey<br>Champaign, Illinois USA                     | 1                    |
| 17 November 1994<br>Araneae<br>Opiliones<br>Coleoptera     | Illinois                                  | M. A. Harris<br>Illinois Natural History Survey<br>Champaign, Illinois USA                  | 5                    |
| 21 November 1994<br>Ephemeroptera<br>Araneae<br>Coleoptera | Illinois                                  | M. A. Harris<br>Illinois Natural History Survey<br>Champaign, Illinois USA                  | 19                   |
| 21 November 1994<br>Diptera                                | Illinois                                  | D. Yanega<br>Illinois Natural History Survey<br>Champaign, Illinois USA                     | 2                    |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Insects

| Date Deposited/Group                     | Locality                                                                                       | Collector                                                                                  | # of spec. deposited |
|------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------|
| 21 November 1994<br>Hymenoptera          | Illinois                                                                                       | K. R. Methven<br>Illinois Natural History Survey<br>Champaign, Illinois USA                | 1                    |
| 5 December 1994<br>Plecoptera            | Illinois<br>Indiana<br>Tennessee<br>Kentucky                                                   | M. A. Harris, D. W. Webb<br>Illinois Natural History Survey<br>Champaign, Illinois USA     | 302                  |
| 5 December 1994<br>Illinois              | Illinois                                                                                       | M. A. Harris & D. W. Webb<br>Illinois Natural History Survey<br>Champaign, Illinois USA    | 5                    |
| 5 December 1994<br>Araneae               | Indiana                                                                                        | M. J. Wetzel & M. A. Harris,<br>Illinois Natural History Survey<br>Champaign, Illinois USA | 7                    |
| 7 December 1994<br>Mecoptera             | Idaho, Alabama<br>TN, VA, WV, GA<br>KY, SC, WI, Mexico<br>OH, PA, OR, WA, CO,<br>Australia, FL | W. Bicha<br>Illinois Natural History Survey<br>Champaign, Illinois USA                     | 161                  |
| 27 December 1994<br>Araneae<br>Homoptera | Illinois<br>Indiana                                                                            | M. A. Harris<br>Illinois Natural History Survey<br>Champaign, Illinois USA                 | 20                   |
| 1994<br>Misc.                            | Israel<br>New Zealand<br>Australia                                                             | M. E. Irwin<br>Illinois Natural History Survey<br>Champaign, Illinois USA                  | 270,000              |
| 1994<br>Plecoptera<br>misc. aquatic      | Illinois                                                                                       | D. W. Webb<br>Illinois Natural History Survey<br>Champaign, Illinois USA                   | 3,300                |
| 1994<br>misc. aquatic                    | Illinois                                                                                       | M. J. Wetzel<br>Illinois Natural History Survey<br>Champaign, Illinois USA                 | 3,000                |

Total specimens deposited 1994 = 280,620



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Mammals



### Loans and Gifts:

#### A. Loans (1990 to 1994):

| <u># Specimens</u> | <u>Borrower</u> | <u>Affiliation</u>     | <u>Date Borrowed</u> | <u>Date Returned</u> |
|--------------------|-----------------|------------------------|----------------------|----------------------|
| 5                  | Jeffords, M.    | INHS-CEE               | 8/2/91               | still on loan        |
| 13                 | Gardner, G.     | INHS-IDOT              | 7/28/92              | still on loan        |
| NA                 | Hofmann, J.E.   | INHS-IDOT              | 5/93                 | 6/93                 |
| 4                  | Choate, J.R.    | Fort Hays State Museum | 8/30/93              | 6/20/94              |
| 1                  | Hofmann, J.E.   | INHS-IDOT              | 2/3/94               | 2/10/94              |
| 1                  | Hofmann, J.E.   | INHS-IDOT              | 4/20/94              | 4/30/94              |
| 2                  | Hofmann, J.E.   | INHS-IDOT              | 5/3/94               | 5/10/94              |
| 1                  | Hofmann, J.E.   | INHS-IDOT              | 5/13/94              | 5/20/94              |
| 31                 | Hofmann, J.E.   | INHS-IDOT              | 6/15/94              | 6/20/94              |
| 22                 | Nixon, P.       | INHS-CEE               | 8/25/94              | 8/26/94              |
| 26                 | Hofmann, J.E.   | INHS-IDOT              | 12/1/94              | 12/94                |

#### B. Gifts or Exchanges:

None

### Requests for Information:

#### A. Data Requests:

| <u># Records</u> | <u>Inquirer</u>             | <u>Affiliation</u> | <u>Date</u> |
|------------------|-----------------------------|--------------------|-------------|
| 6                | consultants (via K. Hunter) | Georgia            | 1/20/94     |
| 10               | Pitts, C.                   | U.S. Army C.O.E    | 8/22/94     |

#### B. Miscellaneous Requests:

None





# Transactions; Loans, Gifts, Data Requests/Queries continued

## Mammals

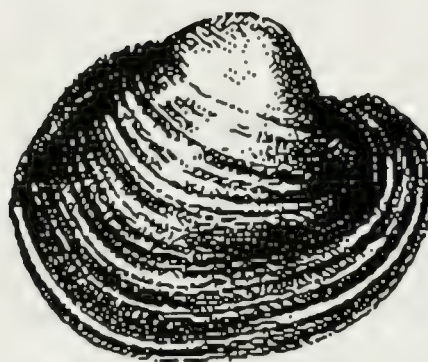
### Summary of 1994 Mammal Collection Transactions

| <u>Transaction</u>                           | <u># of specimens</u> |
|----------------------------------------------|-----------------------|
| Loans:                                       |                       |
| Specimens sent on loan (7 transactions)      | 84                    |
| Gifts:                                       |                       |
| Received                                     | 0                     |
| Sent                                         | 0                     |
| Exchanges:                                   |                       |
| Received                                     | 0                     |
| Sent                                         | 0                     |
| Requests:                                    |                       |
| Data                                         | 2                     |
| Miscellaneous                                | 0                     |
| Additions to the collection:                 |                       |
| Specimens accessioned                        | 0                     |
| Estimated backlog of unaccessioned specimens | 0                     |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Mollusks



### A. Loans (1990 to 1994):

| <u># Specimens</u> | <u>Borrower</u> | <u>Affiliation</u>             | <u>Date Borrowed</u> | <u>Date Returned</u> |
|--------------------|-----------------|--------------------------------|----------------------|----------------------|
| 18                 | Halliday, N.    | Nature Conservancy             | 5/6/91               | 8/6/91               |
| 7                  | Cicerello, R.C. | Kentucky Nature Preserve Comm. | 6/9/92               | still on loan        |
| 9                  | Warren, R.      | Illinois State Museum          | 10/8/92              | still on loan        |
| 33                 | Warren, R.      | Illinois State Museum          | 10/9/92              | still on loan        |
| 38                 | Harmon, J.      | Indiana                        | 10/22/92             | 7/28/93              |
| 75                 | Ceas, P.A.      | Univ. of Illinois              | 3/22/93              | 5/12/93              |
| 58                 | Harmon, J.      | Indiana                        | 7/28/93              | still on loan        |
| 3                  | Harris, J.      | Arkansas Hwy. Dept.            | 10/22/93             | still on loan        |
| 8                  | Strayer, D.     | New York Botanical Garden      | 10/25/94             | 11/94                |
| 249                | Green, M.       | University of Tennessee        | 10/26/94             | still on loan        |

### B. Major Gifts or Exchanges:

#### 1. Gifts:

| <u>From</u>    | <u># Specimens</u> |
|----------------|--------------------|
| Ahlstedt, S.A. | 1183               |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Mollusks

### A. Loans (1990 to 1994):

| <u># Specimens<br/>Returned</u> | <u>Borrower</u> | <u>Affiliation</u>             | <u>Date Borrowed</u> | <u>Date</u>   |
|---------------------------------|-----------------|--------------------------------|----------------------|---------------|
| 18                              | Halliday, N,    | Nature Conservancy             | 5/6/91               | 8/6/91        |
| 7                               | Cicerello, R.C. | Kentucky Nature Preserve Comm. | 6/9/92               | still on loan |
| 9                               | Warren, R.      | Illinois State Museum          | 10/8/92              | still on loan |
| 33                              | Warren, R.      | Illinois State Museum          | 10/9/92              | still on loan |
| 38                              | Harmon, J.      | Indiana                        | 10/22/92             | 7/28/93       |
| 75                              | Ceas, P.A.      | Univ. of Illinois              | 3/22/93              | 5/12/93       |
| 58                              | Harmon, J.      | Indiana                        | 7/28/93              | still on loan |
| 3                               | Harris, J.      | Arkansas Hwy. Dept.            | 10/22/93             | still on loan |
| 8                               | Strayer, D.     | New York Botanical Garden      | 10/25/94             | 11/94         |
| 249                             | Green, M.       | University of Tennessee        | 10/26/94             | still on loan |

### B. Major Gifts or Exchanges:

#### 1. Gifts:

| <u>From</u>    | <u># Specimens</u> |
|----------------|--------------------|
| Ahlstedt, S.A. | 1183               |

### Requests for Information:

#### A. Data Requests:

| <u># Records</u> | <u>Inquirer</u>             | <u>Affiliation</u>           | <u>Date</u> |
|------------------|-----------------------------|------------------------------|-------------|
| 40               | consultants (via K. Hunter) | Georgia                      | 1/20/94     |
| 97               | Kitchel, H.E.               | INHS-IDOT                    | 1/24/94     |
| 783              | Kitchel, H.E.               | INHS-IDOT                    | 2/7/94      |
| 158              | Kitchel, H.E.               | INHS-IDOT                    | 2/24/94     |
| 13               | Ullberg, D.                 | USFW                         | 3/17/94     |
| 88               | Hunter, K.                  | INHS-IDOT                    | 4/13/94     |
| 69               | Lonsdorf, R.                | Open Lands Project, Illinois | 4/21/94     |
| 345              | Lonsdorf, R.                | Open Lands Project, Illinois | 4/21/94     |
| 36               | Bullard, C.                 | University of Illinois       | 4/29/94     |
| 16               | Schlenker, P.               | Jaca Corp.                   | 5/9/94      |
| 71               | Kitchel, H.E.               | INHS-IDOT                    | 5/20/94     |
| 892              | Kitchel, H.E.               | INHS-IDOT                    | 6/16/94     |
| 15               | Barre, R.                   | Joliet Training Area         | 6/22/94     |



# Transactions; Loans, Gifts, Data Requests/Queries continued

## Mollusks

| <u># Records</u> | <u>Inquirer</u> | <u>Affiliation</u>                  | <u>Date</u> |
|------------------|-----------------|-------------------------------------|-------------|
| 166              | Smith, S.       | IDOC                                | 6/22/94     |
| 25               | Sheaffer, D.    | D. Sheaffer<br>Landscape Architects | 7/27/94     |
| 195              | Kitchel, H.E.   | INHS-IDOT                           | 9/15/94     |
| 1                | Kitchel, H.E.   | INHS-IDOT                           | 9/15/94     |
| 5                | Kitchel, H.E.   | INHS-IDOT                           | 9/21/94     |
| 250              | Kitchel, H.E.   | INHS-IDOT                           | 9/21/94     |
| 28               | Delphey, P.     | USFWS                               | 9/29/94     |
| 40               | Wetzel, M.J.    | INHS-IDOT                           | 9/30/94     |
| 165              | Kitchel, H.E.   | INHS-IDOT                           | 10/4/94     |
| 5                | Kitchel, H.E.   | INHS-IDOT                           | 10/11/94    |
| 57               | Green, M.       | University of Tennessee             | 10/13/94    |
| 264              | Moreno, L.      | IEPA                                | 10/20/94    |
| 27               | Seitman, B.     | Ecological Specialists, Inc.        | 11/1/94     |
| 2                | Alderman, J.    | NC Wildlife Resources Comm.         | 11/22/94    |
| 79               | Szymanski, J.   | USFWS                               | 11/29/94    |
| 90               | Lewis, J.       | Clarksville, Indiana                | 12/5/94     |
| 7                | Sabaj, M.H.     | INHS-CBD                            | 12/12/94    |

## B. Miscellaneous Requests:

| <u>Type of Request</u> | <u>Inquirer</u> | <u>Affiliation</u>         | <u>Date</u> |
|------------------------|-----------------|----------------------------|-------------|
| Mollusk Bibliography   | Neves, R.       | Virginia Poly. Institute   | 2/13/94     |
| Mollusk Bibliography   | Taylor, R.      | Aquaeter, Tennessee        | 3/18/94     |
| Mollusk Bibliography   | Barnese, L.     | U.S. Army C.O.E.           | 3/18/94     |
| Mollusk Bibliography   | Hersh, M.       | USFWS                      | 5/20/94     |
| Mollusk Bibliography   | Wilcox, T.      | Virginia Dept. Fish & Game | 10/3/94     |





# Transactions; Loans, Gifts, Data Requests/Queries continued

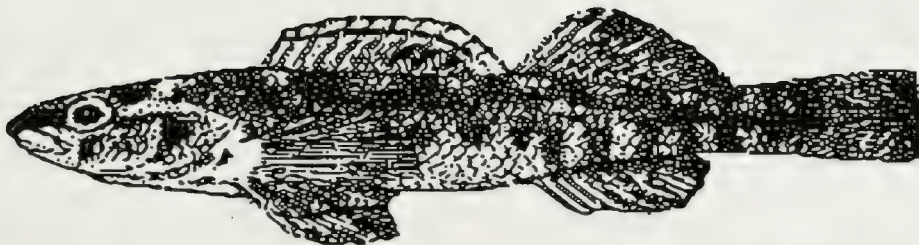
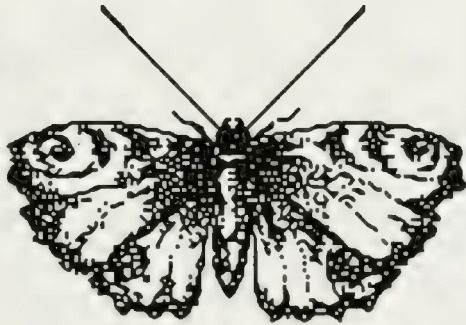
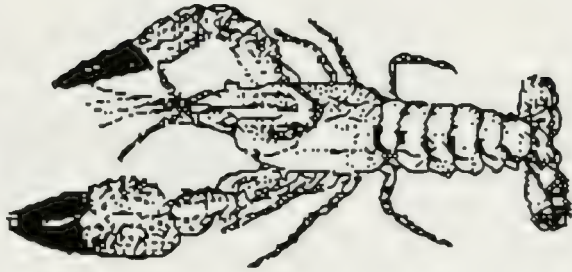
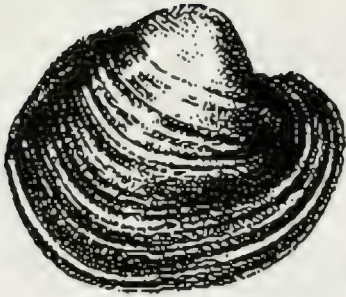
## Mollusks

### Summary of 1994 Mollusk Collection Transactions

| <u>Transaction</u>                           | <u># of specimens</u> |
|----------------------------------------------|-----------------------|
| Loans:                                       |                       |
| specimens sent on loan (2 transactions)      | 257                   |
| Gifts:                                       |                       |
| Received (1 transaction)                     | 1183                  |
| Sent                                         | 0                     |
| Exchanges:                                   |                       |
| Received                                     | 0                     |
| Sent                                         | 0                     |
| Requests:                                    |                       |
| Data                                         | 30                    |
| Miscellaneous                                | 5                     |
| Additions to the collection:                 |                       |
| Specimens accessioned                        | 6654                  |
| Estimated backlog of unaccessioned specimens | 18,000                |



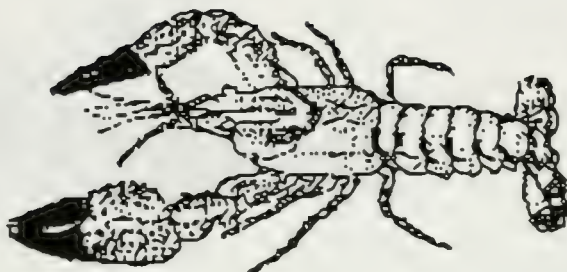
# Visitors





## Visitors

### Crustaceans



#### Visitors:

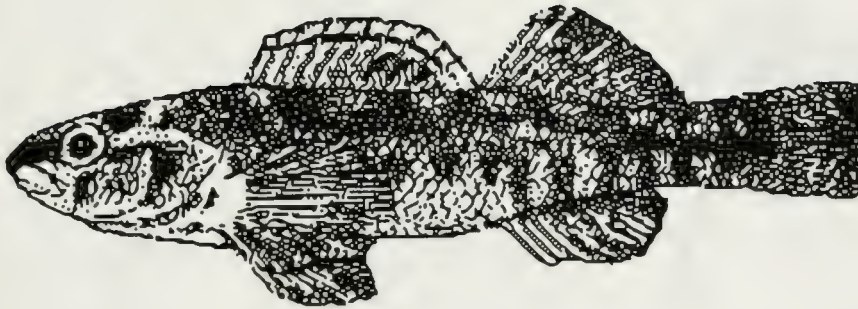
| <u>Visitor</u>      | <u>Affiliation</u>        | <u>Date</u> |
|---------------------|---------------------------|-------------|
| 2 visitors from NIE | Univ. Illinois at Chicago | 12/20/94    |





## Visitors continued

Fish



## Visitors:

| <u>Visitor</u>      | <u>Affiliation</u>                          | <u>Date</u> |
|---------------------|---------------------------------------------|-------------|
| Mayden, R.L.        | Univ. of Alabama                            | 1/9/94      |
| Kuhajda, B.R.       | Univ. of Alabama                            | 1/9/94      |
| Pyron, M.           | Univ. of Oklahoma                           | 2/17/94     |
| Reuter, M.          | Ill. Nature Conservancy, Peoria             | 5/17/94     |
| visitor             | Ill. Nature Conservancy, Chicago            | 5/17/94     |
| King, W.            | Florida Museum of Natural History           | 6/8/94      |
| Allison, A.         | Hawaii Biological Survey                    | 6/8/94      |
| Ruggiero, M.        | National Biological Survey, Washington D.C. | 6/8/94      |
| Waggoner, G.        | National Biological Survey, Colorado        | 6/8/94      |
| Carney, D.A.        | Illinois Department of Conservation         | 6/20/94     |
| Cooper, J.          | Illinois Geological Survey                  | 8/2/94      |
| Carney, D.A.        | Illinois Department of Conservation         | 9/7/94      |
| 2 visitors from NIE | Univ. of Illinois at Chicago                | 12/20/94    |



## Visitors continued

## Herbarium



## Visitors:

## Herbarium Visitors (Vascular Plant, Bryology, and Fungi):

Representing time from April 1990 to Present

| Name                  | Representing                                               |            |
|-----------------------|------------------------------------------------------------|------------|
| Voigt, Tom            | Illinois Department of Horticulture                        | 16/4/1990  |
| Loader, Bill          | Royal Botanical Garden Kew                                 | 5/8/1990   |
| Cutler, David         | Royal Botanical Garden Kew                                 | 5/8/1990   |
| Shong, Huane (David)  |                                                            | 8/8/1990   |
| Ebinger, John E.      | Eastern Illinois University                                | 12/8/1990  |
| Bill Capman           | Institute of Environmental Studies, University of Illinois | 11/9/1990  |
| Szafońi, Bob          | Illinois Department of Conservation                        | 6/11/1990  |
| Hinslan, Mary         | Eastern Illinois University                                | 14/11/1990 |
| Olson, Sherry         | McGill University                                          | 5/12/1990  |
| Erickson, A.E.        | University of Umeå, Sweden                                 | 13/12/1990 |
| Wilhelm, Gerould      | The Morton Arboretum                                       | 18/12/1990 |
| Wetstein, Linda       | The Morton Arboretum                                       | 18/12/1990 |
| Olson, Steve          | Hoosier National Forest                                    | 11/1/1991  |
| Cecil, Kurtis         | Eastern Illinois University                                | 17/1/1991  |
| Romano, Susan P.      | INHS - Havana Field Station                                | 8/1/1991   |
| Shildneck, Paul       | Decatur, Illinois                                          | 3/3/1991   |
| Gardner, Don          | Kempton, Illinois                                          | 17/4/1991  |
| Rhoades, Mary         | Entomology Department, Virginia Polytechnic Institute      | 10/5/1991  |
| Alain, Obriot         | Nantes, France                                             | 12/5/1991  |
| Stan Tyson            | Rivendell Botanical Garden, Beardstown, Illinois           | 18/6/1991  |
| Berlocher, Stewart H. | Entomology Department, University of Illinois              | 20/6/1991  |
| Neal, Elden E.        | Wyoming, Illinois                                          | 28/6/1991  |
| White John            | Ecological Services, Urbana, Illinois                      | 2/8/1991   |
| White John            | Ecological Services, Urbana, Illinois                      | 13/9/1991  |
| Carroll, Connie       | Forestry Department, University of Illinois                | 20/9/1991  |
| Karnes, Jean          | Illinois Department of Conservation, Springfield           | 1/11/1991  |
| Sheparo, David        | Graduate Student, Western Illinois University              | 9/1/1992   |



## Visitors continued

## Herbarium

| Name                  | Representing                                                 |            |
|-----------------------|--------------------------------------------------------------|------------|
| Hill, Jerry           | Richardson Wildlife, University of Illinois                  | 21/1/1992  |
| Wetstein, Linda       | The Morton Arboretum                                         | 23/3/1992  |
| Wilhelm, Gerould      | The Morton Arboretum                                         | 23/3/1992  |
| Wilhelm, Gerould      | The Morton Arboretum                                         | 10/4/1992  |
| Wetstein, Linda       | The Morton Arboretum                                         | 10/4/1992  |
| Ladd, Doug            | The Nature Conservancy, Saint Louis, Missouri                | 10/4/1992  |
| Kovacik, David A.     | Department of Landscape Architecture, University of Illinois | 21/5/1992  |
| Berlocher, Stewart H. | Entomology Department, University of Illinois                | 9/6/1992   |
| Cowan, Steve          |                                                              | 27/8/1992  |
| Solecki, Mary Kay     | Illinois Nature Preserves Commission                         | 2/9/1992   |
| Holmes, Sue           | Department of Conservation, Springfield, Illinois            | 27/9/1992  |
| Sechrest, Jim         | University of Illinois, Plant Biology Student                | 4/11/1992  |
| Antonio, Thomas       | Chicago Botanic Garden                                       | 5/11/1992  |
| Masi, Susanne         | Chicago Botanic Garden                                       | 5/11/1992  |
| Gardner, Don          | Kempton, Illinois                                            | 18/11/1992 |
| John Schwegman        | Illinois Department of Conservation, Springfield             | 8/6/1994   |
| Mary Kay Solecki      | Illinois Nature Preserves Commission                         | 22/9/1994  |
| David Monk            | Educational Resources in Environmental Sciences              | 5/10/1994  |
| John Ebinger          | EIU                                                          | 26/10/1994 |
| Byoung Yoon Lee       | ILL                                                          | 8/11/1994  |
| Artur Stankiewicz     | Geological Survey                                            | 8/12/1994  |



## Visitors continued

## Amphibians &amp; Reptiles



## Visitors:

| <u>Visitor</u>      | <u>Affiliation</u>                | <u>Date</u> |
|---------------------|-----------------------------------|-------------|
| Redmer, M.          | Southern Illinois University      | 7/20/94     |
| Poskin, R.          | Eastern Illinois University       | 10/17/94    |
| 2 visitors from NIE | University of Illinois at Chicago | 12/20/94    |





## Visitors continued

## Insects



## Visitors:

Insect Collection Visitors :  
Representing time from January 1994 to December 1994

| Name               | Representing                           | Date             |
|--------------------|----------------------------------------|------------------|
| Louise Carlson     | Savoy, Illinois                        | 8 January 1990   |
| Elizabeth Blundy   | Savoy, Illinois                        | 8 January 1990   |
| Joan Jackson       | Savoy, Illinois                        | 8 January 1990   |
| Mary T. Howe       | Ottawa, Illinois                       | 8 January 1990   |
| Emma K. Lamkin     | Savoy, Illinois                        | 8 January 1990   |
| Margaret K. Thayer | Field Museum, Chicago, Illinois        | 28 February 1990 |
| Ken Paige          | Institute for Environmental Studies    | 1 March 1990     |
| George Robinson    | University of Kansas                   | 1 March 1990     |
| James R. Wiker     | Athens, Illinois                       | 27 March 1990    |
| Charles J. Bye     | Athens, Illinois                       | 27 March 1990    |
| Ben Wood           | Oak Park, Illinois                     | 3 April 1990     |
| Charlie Wood       | Oak Park, Illinois                     | 3 April 1990     |
| Emma Wood          | Oak Park, Illinois                     | 3 April 1990     |
| Leslie Wood        | Oak Park, Illinois                     | 3 April 1990     |
| Gary Wood          | Oak Park, Illinois                     | 3 April 1990     |
| Peter H. Raven     | Missouri Botanical Garden              | 4 April 1990     |
| Jared Diamond      | University of California, Los Angeles  | 11 April 1990    |
| Bill Mantrewz      | Ohio University Biological Station     | 16 April 1990    |
| Jill Landsberg     | Aust. National Museum                  | 27 April 1990    |
| Paul E. Skelley    | University of Florida                  | 27 April 1990    |
| Robert E. Woodruff | Florida State Collection of Arthropods | 27 April 1990    |
| David Fuller       | Royal Botanic Gardens Kew              | 9 May 1990       |
| Bill Loaden        | Royal Botanic Gardens Kew              | 9 May 1990       |
| Aaron Eden         | unknown                                | May 1990         |
| Suzana Hayden      | unknown                                | May 1990         |
| Ry Anbell          | unknown                                | May 1990         |
| Nicole             | unknown                                | May 1990         |
| Johnia             | unknown                                | May 1990         |



## Visitors continued

## Insects

| Name                  | Representing                                         | Date                   |
|-----------------------|------------------------------------------------------|------------------------|
| Patrick J. Dill       | Urbana, Illinois                                     | May 1990               |
| Dennis Webb           | unknown                                              | May 1990               |
| Larry Johnson         | Urbana, Illinois                                     | May 1990               |
| Jeff Simpson          | Washington D. C.                                     | 23 May 1990            |
| Brenda Simpson        | Washington D. C.                                     | 23 May 1990            |
| Louis H. Simpson      | Urbana, Illinois                                     | 23 May 1990            |
| Mrs. Louis H. Simpson | Urbana, Illinois                                     | 23 May 1993            |
| George Folkert        | Auburn, Alabama                                      | May 1990               |
| Debbie Folkert        | Auburn, Alabama                                      | May 1990               |
| Molly Folkert         | Auburn, Alabama                                      | May 1990               |
| Nancy                 | unknown                                              | 14 June 1990           |
| Kevin                 | unknown                                              | 14 June 1990           |
| Joshua                | unknown                                              | 14 June 1990           |
| Jason                 | unknown                                              | 14 June 1990           |
| Brooks M. Burr        | Southern Illinois University                         | 26 June 1990           |
| Mel Warren            | Southern Illinois University                         | 26 June 1990           |
| Pete Martinat         | Gurnee, Illinois                                     | 1 August 1990          |
| Dave Parkinson        | Redwood City, California                             | 3 August 1990          |
| Ed Musteller          | Penn State at Erie, Pennsylvania                     | 6 August 1990          |
| Toshia Sehimura       | Chubu University, Kasugai, Japan                     | 6 August 1990          |
| Jay Mittenthal        | University of California, Champaign, IL              | 6 August 1990          |
| Bill Lagrande         | University of Wisconsin, Madison, Wisconsin          | 8 August 1990          |
| Kurt L. Schmude       | University of Wisconsin, Madison, Wisconsin          | 8 August 1990          |
| Hans Peter Raven      | Centre of Plant Protection Denmark                   | 15 August 1990         |
| Bob Connor            | New York City, New York                              | 15 August 1990         |
| David Penny           | Botany & Zoology Palmeston,<br>North New Zealand     | 17 September 1990      |
| Michael Goodrich      | Eastern Illinois University,<br>Charleston, Illinois | 28 September 1990      |
| Jay R. Stauffer       | Penn State University                                | 2 October 1990         |
| Leonard Dinterfass    | Dow Elanco, Geneseo, Illinois                        | 17 October 1990        |
| Jeff Harmon           | IDEM, Indianapolis, Indiana                          | 6 November 1990        |
| Howard B. Ollen       | WMI, Downers Grove, Illinois                         | 28 November 1990       |
| <u>Stan Szczytko</u>  | <u>University of Wisconsin, Stevens Point</u>        | <u>3 December 1990</u> |
| Magan Enj             | University of Illinois, Champaign, Illinois          | 23 January 1991        |
| Duane Taylor          | University of Illinois, Champaign, Illinois          | 23 January 1991        |
| Joseph A. Malcom      | University of Illinois, Champaign, Illinois          | 23 January 1991        |
| Sandra A. Steela      | University of Illinois, Champaign, Illinois          | 23 January 1991        |
| Debbie Humphrey       | University of Illinois, Champaign, Illinois          | 23 January 1991        |
| Walter L. Dao         | University of Illinois, Champaign, Illinois          | 23 January 1991        |
| Michael A. Lee        | University of Illinois, Champaign, Illinois          | 23 January 1991        |
| John C. Margaglione   | University of Illinois, Champaign, Illinois          | 23 January 1991        |
| Caroline Powderst     | University of Illinois, Champaign, Illinois          | 23 January 1991        |
| Alvaro Epirf          | University of Illinois, Champaign, Illinois          | 23 January 1991        |





## Visitors continued

## Insects

| Name                   | Representing                                         | Date              |
|------------------------|------------------------------------------------------|-------------------|
| Marianne Hartman       | University of Illinois, Champaign, Illinois          | 23 January 1991   |
| Michael C. Slamecka    | University of Illinois, Champaign, Illinois          | 23 January 1991   |
| Courtney Carpenter     | University of Illinois, Champaign, Illinois          | 23 January 1991   |
| David Fivet            | University of Illinois, Champaign, Illinois          | 23 January 1991   |
| Brigid Briskin         | Champaign, Illinois                                  | 22 February 1991  |
| Jessica Schulte        | Champaign, Illinois                                  | 22 February 1991  |
| Greg Seegert           | EA Engineering                                       | 5 March 1991      |
| Masa Usui              | University of Guelph, Ontario CANADA                 | 22 April 1991     |
| Peter Stiling          | University of South Florida, Tampa Florida           | 2 May 1991        |
| David Yeates           | America Museum of Natural History,<br>New York       | 6 May 1991        |
| Angela Worrell         | unknown                                              | 11 June 1991      |
| Kara Dufermeier        | unknown                                              | 11 June 1991      |
| Steve Taylor           | Southern Illinois University, Carbondale, IL         | 12 June 1991      |
| John L. Pinto          | University of California,<br>Riverside, California   | 17 June 1991      |
| Walter R. Suter        | Carthage College, Kenosha, Wisconsin                 | 10 July 1991      |
| Bernie Kuhajda         | University of Alabama, Tuscaloosa, Alabama           | 15 July 1991      |
| Melissa Kuhajda        | University of Alabama, Tuscaloosa, Alabama           | 15 July 1991      |
| Steven Roble           | Massachusetts Division of<br>Wildlife & Fisheries    | 19 July 1991      |
| Jack. R. Munsee        | Indiana State University,<br>Terre Haute, Indiana    | 22 July 1991      |
| P. J. Martinat         | Waukegan, Illinois                                   | 31 July 1991      |
| R. W. Weireman         | Corvallis, Oregon                                    | 7 August 1991     |
| John K. Tucker         | Effingham, Illinois                                  | 12 August 1991    |
| Tom A. Royer           | Urbana, Illinois                                     | 20 August 1991    |
| Sherri Sandburg Ransom | Davis, California                                    | 21 August 1991    |
| Michael Ransom         | Davis, California                                    | 21 August 1991    |
| William P. Voris       | Eureka Springs, Arkansas                             | 26 August 1991    |
| Toshio Sekimura        | Chubu University, Kasugai, Japan                     | 28 August 1991    |
| Ralph W. Axtell        | Southern Illinois University-Edwardsville            | 12 September 1991 |
| Jeff Ettling           | Southern Illinois University-Edwardsville            | 12 September 1991 |
| J. Duceton Pruitt      | Biodiversity Unlimited                               | Sept or Oct 1991  |
| Michael Goodrich       | Eastern Illinois University,<br>Charleston, Illinois | 4 October 1991    |
| Rod Hanley             | Eastern Illinois University,<br>Charleston, Illinois | 4 October 1991    |
| Scott W. Moody         | Ohio University, Athens, Ohio                        | 24 October 1991   |
| Leonard Dintenfass     | Dow Elanco, Geneseo, Illinois                        | 29 October 1991   |
| William Wagner         | unknown                                              | 2 January 1992    |
| Josh Z.                | unknown                                              | 2 January 1992    |
| Luke Messmer           | unknown                                              | 2 January 1992    |
| Debbie Messmer         | unknown                                              | 2 January 1992    |





## Visitors continued

## Insects

| Name              | Representing                                          | Date             |
|-------------------|-------------------------------------------------------|------------------|
| Susan A. Wagner   | unknown                                               | 2 January 1992   |
| J. Pratt          | Arlington, Illinois                                   | 8 January 1992   |
| Brigid Briskin    | Champaign, Illinois                                   | 17 January 1992  |
| Jessica Schulte   | Champaign, Illinois                                   | 17 January 1992  |
| Bernie Rancho     | University of Illinois, Champaign, Illinois           | 23 January 1992  |
| Jae Hyung Lim     | University of Illinois, Champaign, Illinois           | 23 January 1992  |
| Belinda Wilson    | University of Illinois, Urbana, Illinois              | 23 January 1992  |
| Sara Orr          | University of Illinois, Urbana, Illinois              | 23 January 1992  |
| Julie Smagacz     | University of Illinois, Urbana, Illinois              | 23 January 1992  |
| Olga Jarrett      | University of Illinois, Urbana, Illinois              | 23 January 1992  |
| Lesley Dean-Dixon | University of Illinois, Urbana, Illinois              | 23 January 1992  |
| Sung Man Choi     | University of Illinois, Urbana, Illinois              | 23 January 1992  |
| Edward Dutkus     | University of Illinois, Urbana, Illinois              | 23 January 1992  |
| Sandro Feleher    | University of Illinois, Urbana, Illinois              | 23 January 1992  |
| Dani Gray         | University of Illinois, Urbana, Illinois              | 23 January 1992  |
| Gloria Quinones   | University of Illinois, Urbana, Illinois              | 23 January 1992  |
| Bernie Rancho     | University of Illinois, Urbana, Illinois              | 23 January 1992  |
| Susan Ratcliffe   | University of Illinois, Urbana, Illinois              | 23 January 1992  |
| Andrea Rizzo      | University of Illinois, Urbana, Illinois              | 23 January 1992  |
| Damara Ross       | University of Illinois, Urbana, Illinois              | 23 January 1992  |
| Rob Lapin         | University of Illinois, Urbana, Illinois              | 23 January 1992  |
| Gandu Prune-Lewis | University of Illinois, Urbana, Illinois              | 23 January 1992  |
| Henry Ross        | Bement, Illinois                                      | 4 February 1992  |
| Wilma Ross        | Bement, Illinois                                      | 4 February 1992  |
| George Balogh     | Portage, Michigan                                     | 20 February 1992 |
| Susan E. Webb     | University of Florida                                 | 24 February 1992 |
| Geoffrey Levin    | San Diego Museum of Natural History                   | 25 February 1992 |
| Phil Parillo      | Field Museum of Natural History,<br>Chicago, Illinois | 27 February 1992 |
| Michael Mapes     | Urbana, Illinois                                      | 3 March 1992     |
| Vadim Perzner     | Urbana, Illinois                                      | 3 March 1992     |
| Don Wright        | Cincinnati, Ohio                                      | 20 March 1992    |
| Loran D. Gibson   | Florence, Kentucky                                    | 20 March 1992    |
| Reed Watkins      | Spring Valley, Ohio                                   | 20 March 1992    |
| Jon J. Duerr      | St. Charles, Illinois                                 | 1 April 1992     |
| Karyn Hurley      | Roscoe, Illinois                                      | 21 April 1992    |
| Justin Bales      | Naperville, Illinois                                  | 21 April 1992    |
| Laurie Jeckel     | Hartsburg, Illinois                                   | 21 April 1992    |
| Emily Stanoger    | Barrington, Illinois                                  | 21 April 1992    |
| Andrew Neill      | Bloomington, Illinois                                 | 21 April 1992    |
| Stacy Johnson     | Franklin, Illinois                                    | 21 April 1992    |
| Mark W. Johnson   | Towanda, Illinois                                     | 21 April 1992    |
| Shehzad Naim      | Champaign, Illinois                                   | 27 April 1992    |
| Steven R. Kutcher | Pasadena, California                                  | 30 April 1992    |
| David Henderson   | Warrington, England                                   | 6 May 1992       |



## Visitors continued

## Insects

| Name                  | Representing                                         | Date          |
|-----------------------|------------------------------------------------------|---------------|
| Chuck Olson           | Savoy, Illinois                                      | 6 May 1992    |
| Sylvain Cote          | MacDonald College, Quebec, Canada                    | 3 June 1992   |
| Daniel Cormier        | MacDonald College, Quebec, Canada                    | 3 June 1992   |
| Jenny Strande         | University of Illinois, Urbana, Illinois             | 15 June 1992  |
| Natasha Leacock       | University of Illinois, Urbana, Illinois             | 15 June 1992  |
| Eric J. Keyes         | University of Illinois, Urbana, Illinois             | 15 June 1992  |
| Chet Brown            | University of Illinois, Urbana, Illinois             | 15 June 1992  |
| Darini B. Nicholas    | Lake Forest College, Lake Forest, Illinois           | 15 June 1992  |
| Robin E. Mittenenthal | Carleton, College, Minnesota                         | 15 June 1992  |
| Greg Otto             | Danvers, Illinois                                    | 24 June 1992  |
| Robin J. Reimer       | Carlock, Illinois                                    | 24 June 1992  |
| Dennis Menenger       | Farmer City, Illinois                                | 24 June 1992  |
| Lloyd Power           | Bellflower, Illinois                                 | 24 June 1992  |
| MDG                   | Carlock, Illinois                                    | 24 June 1992  |
| Jim Reimer            | Lexington, Illinois                                  | 24 June 1992  |
| Jon Reimer            | Lexington, Illinois                                  | 24 June 1992  |
| Donald Meyer          | Bloomington, Illinois                                | 24 June 1992  |
| Merrill Owens         | El Paso, Illinois                                    | 24 June 1992  |
| Ryan Otto             | Danvers, Illinois                                    | 24 June 1992  |
| Darin Butler          | Genoa, Illinois                                      | 24 June 1992  |
| Frank Poohill         | LeRoy, Illinois                                      | 24 June 1992  |
| Amy Poohill           | LeRoy, Illinois                                      | 24 June 1992  |
| Carl Graf Jr.         | Bloomington, Illinois                                | 24 June 1992  |
| Eve Menenger          | Farmer City, Illinois                                | 24 June 1992  |
| Mary Power            | Bellflower, Illinois                                 | 24 June 1992  |
| Kyle Nagy             | Robeson Park, Illinois                               | 30 June 1992  |
| Jennifer Bartling     | unknown                                              | 30 June 1992  |
| Jimmie Griffiths      | Eastern Illinois University,<br>Charleston, Illinois | 31 July 1992  |
| Dolores Zimmerman     | Downers Grove, Illinois                              | 4 August 1992 |
| Birute Earl           | Naperville, Illinois                                 | 4 August 1992 |
| Joan Schratt          | Crystal Lake, Illinois                               | 4 August 1992 |
| Margie Bjockman       | McHenry, Illinois                                    | 4 August 1992 |
| Gerard Herder         | Harvard, Illinois                                    | 4 August 1992 |
| Charlie Becker        | Huntley, Illinois                                    | 4 August 1992 |
| Bobbie Sexton         | Dawson, Illinois                                     | 4 August 1992 |
| Lorraine DeSauza      | Dawson, Illinois                                     | 4 August 1992 |
| Mary Hawthorne        | St. Charles, Illinois                                | 4 August 1992 |
| Merie Bickel          | Springfield, Illinois                                | 4 August 1992 |
| Carol Schacht         | Petersburg, Illinois                                 | 4 August 1992 |
| John Sower            | O'Fallon, Illinois                                   | 4 August 1992 |
| Bill Hibbard          | Belleville, Illinois                                 | 4 August 1992 |
| Kay Mercier           | Springfield, Illinois                                | 4 August 1992 |
| Diane Cummins         | Decatur, Illinois                                    | 4 August 1992 |
| Randy Manis           | Wood Dale, Illinois                                  | 4 August 1992 |





## Visitors continued

## Insects

| Name               | Representing                                 | Date              |
|--------------------|----------------------------------------------|-------------------|
| Carole Stokely     | Wayne, Illinois                              | 4 August 1992     |
| Steven E. Pearson  | Springfield, Illinois                        | 4 August 1992     |
| Tracey Elmore      | Springfield, Illinois                        | 4 August 1992     |
| Annette Lingler    | Springfield, Illinois                        | 4 August 1992     |
| Charlotte Thomas   | Springfield, Illinois                        | 4 August 1992     |
| Brian R. Urbanphe  | Springfield, Illinois                        | 4 August 1992     |
| Eugenia Li         | Evanston, Illinois                           | 4 August 1992     |
| Kristy Koch        | Metropolis, Illinois                         | 4 August 1992     |
| Joe Smith          | Muncy, Illinois                              | 4 August 1992     |
| Matthew Golly      | Cornell University                           | 4 August 1992     |
| Edna Walden        | Springfield, Illinois                        | 4 August 1992     |
| C. Rae Jung        | Springfield, Illinois                        | 4 August 1992     |
| Denny Waller       | Champaign, Illinois                          | 25 August 1992    |
| Marilyn Funke      | Champaign, Illinois                          | 25 August 1992    |
| Sarah Funke        | Champaign, Illinois                          | 25 August 1992    |
| Cheryl Bemount     | Gifford, Illinois                            | 8 September 1992  |
| Sara Pilkington    | Gifford, Illinois                            | 8 September 1992  |
| Kristen Evert      | Champaign, Illinois                          | 21 September 1992 |
| Pat Godfrey        | Villa Grove, Illinois                        | 21 September 1992 |
| Sue Holmes         | Dept. of Conservation, Springfield, Illinois | 24 September 1992 |
| Don Harris         | West Paducah, Kentucky                       | 14 October 1992   |
| Doug Yanega        | University of Kansas, Lawrence, Kansas       | 16 October 1992   |
| Josh Methven       | Urbana, Illinois                             | 27 November 1992  |
| Rosemary Reid      | Atlanta, Georgia                             | 27 November 1992  |
| Bernadette D. Reid | Knoxville, Tennessee                         | 27 November 1992  |
| Roy W. Reid        | Knoxville, Tennessee                         | 27 November 1992  |
| Marty Reid         | Atlanta, Georgia                             | 27 November 1992  |
| Timothy Reid       | Knoxville, Tennessee                         | 27 November 1992  |
| Dan Bidell         | Springfield, Illinois                        | 2 December 1992   |
| Lonnie Dosenboch   | Dept. of Energy & Nat. Res., Springfield, IL | 2 December 1992   |
| Tamma Snell        | Dept. of Energy & Nat. Res., Springfield, IL | 2 December 1992   |
| Robert G. Mool     | Springfield, Illinois                        | 2 December 1992   |
| Brent Fenantelli   | University of Illinois, Urbana, Illinois     | 20 January 1993   |
| Eric Hoglund       | University of Illinois, Urbana, Illinois     | 20 January 1993   |
| David Bodnar       | University of Illinois, Urbana, Illinois     | 20 January 1993   |
| Karen Hsu          | University of Illinois, Urbana, Illinois     | 20 January 1993   |
| Tom Insel          | University of Illinois, Urbana, Illinois     | 20 January 1993   |
| James Huillurst    | University of Illinois, Urbana, Illinois     | 20 January 1993   |
| Jim Henry          | University of Illinois, Urbana, Illinois     | 20 January 1993   |
| Jeera Lartratanaul | University of Illinois, Urbana, Illinois     | 20 January 1993   |
| Lelah Beasley      | University of Illinois, Urbana, Illinois     | 20 January 1993   |
| Kim Sinaur         | University of Illinois, Urbana, Illinois     | 20 January 1993   |
| Kyung Kak          | University of Illinois, Urbana, Illinois     | 20 January 1993   |
| Jim Minkich        | University of Illinois, Urbana, Illinois     | 20 January 1993   |



## Visitors continued

## Insects

| Name                  | Representing                                   | Date             |
|-----------------------|------------------------------------------------|------------------|
| Evetta Osmolski       | University of Illinois,Urbana, Illinois        | 20 January 1993  |
| Federick J. Werner    | Field Museum of Natural History, Chicago, IL   | 27 January 1993  |
| George L. Godfrey     | Illinois State Museum, Springfield, Illinois   | 1 February 1993  |
| R. Baczynski          | Champaign, Illinois                            | 17 February 1993 |
| C. Bolding            | Champaign, Illinois                            | 17 February 1993 |
| Lauren Janel          | Senate Democratic Staff, Springfield, Illinois | 25 February 1993 |
| Renee Lahg            | Rep. John Dunn's office, Decatur, Illinois     | 25 February 1993 |
| Laurel Lunt Prussing  | State Representative, Urbana, Illinois         | 1 March 1993     |
| Steven Rauschenberger | State Senator, Elgin, Illinois                 | 1 March 1993     |
| George L. Godfrey     | Illinois State Museum, Springfield, Illinois   | 2 March 1993     |
| Christine Wagener     | University of Illinois, Champaign, Illinois    | 5 Marc 1993      |
| Christine Boehle      | Wildlife Prairie Park, Peoria , Illinois       | 10 March 1993    |
| Jennifer Spring       | Wildlife Prairie Park, Peoria , Illinois       | 10 March 1993    |
| Linda Prescott        | Wildlife Prairie Park, Peoria , Illinois       | 10 March 1993    |
| Patti Jo Callahan     | Wildlife Prairie Park, Peoria , Illinois       | 10 March 1993    |
| Jack Unzicker         | Decatur, Illinois                              | 4 April 1993     |
| Edie Wiziecki         | Champaign, Illinois                            | 23 April 1993    |
| Jodie Payne           | Champaign, Illinois                            | 23 April 1993    |
| Cord Lehman           | Champaign, Illinois                            | 23 April 1993    |
| Marc Irwin            | Champaign, Illinois                            | 23 April 1993    |
| James Smith           | Champaign, Illinois                            | 23 April 1993    |
| Joanna Ross           | Champaign, Illinois                            | 23 April 1993    |
| Katie McCowen         | Champaign, Illinois                            | 23 April 1993    |
| Christine Hutchison   | Champaign, Illinois                            | 23 April 1993    |
| Chris Dakerling       | Champaign, Illinois                            | 23 April 1993    |
| Erin Vandenburg       | Champaign, Illinois                            | 23 April 1993    |
| Molly Endsley         | Champaign, Illinois                            | 23 April 1993    |
| Rachel Hill           | Champaign, Illinois                            | 23 April 1993    |
| Laneshia Sargent      | Champaign, Illinois                            | 23 April 1993    |
| Cane Shellabarger     | Champaign, Illinois                            | 23 April 1993    |
| Shannon Woolcott      | Champaign, Illinois                            | 23 April 1993    |
| Jill Stanko           | Champaign, Illinois                            | 23 April 1993    |
| Angela Albaugh        | Champaign, Illinois                            | 23 April 1993    |
| Sarah Masters         | Champaign, Illinois                            | 23 April 1993    |
| Shavolka Chappel      | Champaign, Illinois                            | 23 April 1993    |
| Eric Browning         | Champaign, Illinois                            | 23 April 1993    |
| Penny Plummer         | Champaign, Illinois                            | 23 April 1993    |
| Jeff Lance            | Champaign, Illinois                            | 23 April 1993    |
| Jesse Lance           | Champaign, Illinois                            | 23 April 1993    |
| Mary Sohn             | Champaign, Illinois                            | 23 April 1993    |
| John Flys             | Field Museum of Natural History, Chicago, IL   | 16 June 1993     |
| M. Walsh              | Field Museum of Natural History, Chicago, IL   | 16 June 1993     |
| Donald J. Wright      | Cincinnati, Ohio                               | 2 July 1993      |
| Kurtis K. Hjort       | Urbana Police, Urbana, Illinois                | 7 July 1993      |
| David Depong          | Urbana Police, Urbana, Illinois                | 7 July 1993      |
| Dan Sprehe            | Lt. Governor's office, Springfield, Illinois   | 22 July 1993     |





## Visitors continued

## Insects

| Name            | Representing                                          | Date              |
|-----------------|-------------------------------------------------------|-------------------|
| Dana Curtiss    | Dept. of Energy & Nat. Res.,<br>Springfield, Illinois | 22 July 1993      |
| Darrell Janssen | Milford, Illinois                                     | 10 August 1993    |
| R. Todd Miller  | Springfield, Illinois                                 | 26 August 1993    |
| Don Barber      | Springfield, Illinois                                 | 16 September 1993 |
| Teri Malawy     | Springfield, Illinois                                 | 16 September 1993 |
| Nancy Rhodes    | Springfield, Illinois                                 | 16 September 1993 |
| Don Barber      | Springfield, Illinois                                 | 16 September 1993 |
| Teri Malawy     | Springfield, Illinois                                 | 16 September 1993 |
| Nancy Rhodes    | Springfield, Illinois                                 | 16 September 1993 |
| Tim Munde       | Urbana, Illinois                                      | 16 September 1993 |
| John L. Carr    | Conservation International,<br>Washington, D. C.      | 16 September 1993 |
| Steve Moulton   | University of North Texas, Denton, Texas              | 21 September 1993 |
| Raquel Cooper   | Champaign, Illinois                                   | 22 September 1993 |
| Torianna Ross   | Champaign, Illinois                                   | 22 September 1993 |
| Nesha Moore     | Champaign, Illinois                                   | 22 September 1993 |
| David Watson    | Champaign, Illinois                                   | 22 September 1993 |
| Ahmad Attaras   | Champaign, Illinois                                   | 22 September 1993 |
| Tom Surnecki    | Champaign, Illinois                                   | 22 September 1993 |
| Han Cho         | Champaign, Illinois                                   | 22 September 1993 |
| Adam Eyer       | Champaign, Illinois                                   | 22 September 1993 |
| Darin Trilock   | Champaign, Illinois                                   | 22 September 1993 |
| Royce Bluitt    | Champaign, Illinois                                   | 22 September 1993 |
| Noah Stratton   | Champaign, Illinois                                   | 22 September 1993 |
| Daniel Jedives  | Champaign, Illinois                                   | 22 September 1993 |
| Aaron Peters    | Champaign, Illinois                                   | 22 September 1993 |
| Raymond Gardner | Champaign, Illinois                                   | 22 September 1993 |
| Jody Payne      | Champaign, Illinois                                   | 22 September 1993 |
| Cyd Mayer       | Milwaukee Zoo, Milwaukee, Wisconsin                   | 15 October 1993   |
| Gail Block      | Urbana, Illinois                                      | 26 October 1993   |
| Tony Reynolds   | Urbana, Illinois                                      | 26 October 1993   |
| Mike Morton     | Urbana, Illinois                                      | 26 October 1993   |
| Billy G.        | Urbana, Illinois                                      | 26 October 1993   |
| Steve G.        | Urbana, Illinois                                      | 26 October 1993   |
| Ray Hill        | Urbana, Illinois                                      | 26 October 1993   |
| Don Stillwaugh  | Urbana, Illinois                                      | 26 October 1993   |
| Eric Anderson   | Urbana, Illinois                                      | 26 October 1993   |
| Micah McClellan | Urbana, Illinois                                      | 26 October 1993   |
| Antoine Cain    | Urbana, Illinois                                      | 26 October 1993   |
| Jessie York     | Urbana, Illinois                                      | 26 October 1993   |
| Monet Johnson   | Champaign, Illinois                                   | 26 October 1993   |
| Micus Johnway   | Southern Illinois University-Edwardsville             | 29 October 1993   |
| Henri Goulet    | Ottawa, Ontario Canada                                | 1 November 1993   |
| David Grimaldi  | American Museum of Natural History                    | 7 November 1993   |
| Ron Butler      | Urbana, Illinois                                      | 22 November 1993  |



## Visitors continued

## Insects

| Name                 | Representing                                      | Date             |
|----------------------|---------------------------------------------------|------------------|
| Rich Zack            | WSU, Pullman, Washington                          | 10 December 1993 |
| Robert Sites         | University of Missouri                            | 10 December 1993 |
| C. T. Maier          | Conn. Agric. Exp. Stn.,<br>New Haven, Connecticut | 16 December 1993 |
| Bergs                | Urbana, Illinois                                  | 21 December 1993 |
| Lynda Luman          | Urbana, Illinois                                  | 21 December 1993 |
| Bryan Luman          | Urbana, Illinois                                  | 21 December 1993 |
| Nathan Luman         | Urbana, Illinois                                  | 21 December 1993 |
| Paul Du Moutelle     | Urbana, Illinois                                  | 21 December 1993 |
| Doelie Du Moutelle   | Urbana, Illinois                                  | 21 December 1993 |
| Molly Harris         | Indianapolis, Indiana                             | 21 December 1993 |
| Max Harris           | Indianapolis, Indiana                             | 21 December 1993 |
| Nola Ashford         | Conroe, Texas                                     | 21 December 1993 |
| Elmo Page            | Lexington, Illinois                               | 21 December 1993 |
| Sarah Jacobson       | Urbana, Illinois                                  | 21 December 1993 |
| Sharon Jacobson      | Urbana, Illinois                                  | 21 December 1993 |
| Heather Jacobson     | Urbana, Illinois                                  | 21 December 1993 |
| Halima Sow           | Urbana, Illinois                                  | 21 December 1993 |
| Ramata Sow           | Urbana, Illinois                                  | 21 December 1993 |
| Rob Rawdin           | unknown                                           | 21 December 1993 |
| Joe Webster          | unknown                                           | 21 December 1993 |
| Jim Rawdin           | unknown                                           | 21 December 1993 |
| Eileen Coleman       | unknown                                           | 21 December 1993 |
| Robbie Berg          | Urbana, Illinois                                  | 21 December 1993 |
| Dennis Thompson      | Champaign, Illinois                               | 21 December 1993 |
| Michelle Mehnert     | Champaign, Illinois                               | 21 December 1993 |
| Brenda B. Mehnert    | Champaign, Illinois                               | 21 December 1993 |
| Brandon Curry        | Champaign, Illinois                               | 21 December 1993 |
| Sammy Curry          | Champaign, Illinois                               | 21 December 1993 |
| Chris Stohr          | Champaign, Illinois                               | 21 December 1993 |
| Kenyon Applebee      | Urbana, Illinois                                  | 21 December 1993 |
| Northerns            | St. Joseph, Illinois                              | 21 December 1993 |
| Robert Delaney       | Onaslake, WI -NBS                                 | 19 January 1994  |
| Jo Johnson           | Springfield, Illinois                             | 19 January 1994  |
| Don Barber           | Springfield, Illinois                             | 20 January 1994  |
| Brooke Horten        | Springfield, Illinois                             | 20 January 1994  |
| Katy M. Lawrence     | Springfield, Illinois                             | 20 January 1994  |
| Ed Britton           | Havana, Illinois                                  | 20 January 1994  |
| Rep. Phil March      | Kankakee, Illinois                                | 20 January 1994  |
| Musette Vigil        | Pollution Control Board<br>Springfield, Illinois  | 20 January 1994  |
| Nancy Rhodes         | ENR<br>Springfield, Illinois                      | 20 January 1994  |
| Laurel Lunt Prussing | State Representative<br>Urbana, Illinois          | 20 January 1994  |
| Nicole Reicheneker   | Urbana, Illinois                                  | 26 January 1994  |





## Visitors continued

## Insects

| Name                  | Representing                 | Date             |
|-----------------------|------------------------------|------------------|
| Beth Krawczyk         | Urbana, Illinois             | 26 January 1994  |
| Robin Luberda         | Urbana, Illinois             | 26 January 1994  |
| Amy Bein              | Huntley, Illinois            | 26 January 1994  |
| Heather Clough        | Champaign, Illinois          | 26 January 1994  |
| Emily Statkel         | Urbana, Illinois             | 26 January 1994  |
| Steve Song            | Urbana, Illinois             | 26 January 1994  |
| Jennifer Carder       | Urbana, Illinois             | 26 January 1994  |
| Michelle              | Urbana, Illinois             | 26 January 1994  |
| L. J. Myers           | Urbana, Illinois             | 26 January 1994  |
| Bill Orkin            | Champaign, Illinois          | 26 January 1994  |
| Greg Rudnick          | Champaign, Illinois          | 26 January 1994  |
| Scott A. Stawarz      | Champaign, Illinois          | 26 January 1994  |
| Greg Bernosky         | Champaign, Illinois          | 26 January 1994  |
| Patty Banf            | Champaign, Illinois          | 26 January 1994  |
|                       | Urbana, Illinois             | 26 January 1994  |
| Allison Cox           | Urbana, Illinois             | 26 January 1994  |
| J. Biaczyk            | Urbana, Illinois             | 26 January 1994  |
| Jenny Mehren          | Urbana, Illinois             | 26 January 1994  |
| Jonathan Conant       | Urbana, Illinois             | 26 January 1994  |
| Tammara Wofert        | Urbana, Illinois             | 26 January 1994  |
| Rebecca L. Berdeaux   | Urbana, Illinois             | 26 January 1994  |
| Annamarie MacLeod     | Champaign, Illinois          | 2 February 1994  |
| Mark MacLeod          | Champaign, Illinois          | 2 February 1994  |
| Michael Goodrich      | Eastern Illinois University  | 3 February 1994  |
| H. Wilson Montgomery  | Eastern Illinois University  | 3 February 1994  |
| Ruth McConkie         | Champaign, Illinois          | 16 February 1994 |
| Judy Omone            | Champaign, Illinois          | 16 February 1994 |
| Yale Sedman           | Macomb, Illinois             | 2 March 1994     |
| Liz Gremore & Stanley | Urbana, Illinois             | 17 March 1994    |
| H. Wilson Montgomery  | Eastern Illinois University  | 24 February 1994 |
| Michael Goodrich      | Eastern Illinois University  | 24 February 1994 |
| Bruce Boyd            | Peoria, Illinois             | 16 May 1994      |
| Michael Reuter        | Peoria, Illinois             | 16 May 1994      |
| Ferede Megasi         | IAR, Ethiopia                | 17 May 1994      |
| Theodore A. Myatt     | Libertyville, Illinois       | 17 May 1994      |
| Michael Lindley       | Champaign, Illinois          |                  |
| Steve Nakahara        | Beltsville, Maryland         | 20 June 1994     |
| Judith Joy            | Centralia, Illinois          |                  |
| Cindy Humphreys       | Carbondale, Illinois         | 14 July 1994     |
| Julie Wurth           | Champaign, Illinois          | 14 July 1994     |
| Kay Shipman           | Bloomington, Illinois        | 14 July 1994     |
| Karen L.              | Pekin, Illinois              | 14 July 1994     |
| Bill Hamor            | Mattoon, Illinois            | 14 July 1994     |
| Tamara Browning       | Springfield, Illinois        | 14 July 1994     |
| John O'               | ISWS                         | 14 July 1994     |
|                       | University of Texas - Austin | 18 July 1994     |





## Visitors continued

## Insects

| Name               | Representing                                   | Date              |
|--------------------|------------------------------------------------|-------------------|
| Laura Aytes        | Ava, Illinois                                  | 18 July 1994      |
| Elizabeth Winthrop | Percy, Illinois                                | 18 July 1994      |
| Amy Page           | Conroe, Texas                                  | 18 July 1994      |
| Don Wright         | Cincinnati, Ohio                               | 28 July 1994      |
| Liz Day            | Indianapolis, Indiana                          | 2 August 1994     |
| Carey family of 4  | Champaign, Illinois                            | 16 August 1994    |
| Tomoko Katayama    | Japan                                          | 16 August 1994    |
| Michael            | University of Illinois                         | 20 September 1994 |
| Medaku Demissie    | Champaign, Illinois                            | 27 September 1994 |
| Domime Philpott    | Champaign, Illinois                            | 27 September 1994 |
| Neva Bishop        | Champaign, Illinois                            | 27 September 1994 |
| Walter Willis      | Champaign, Illinois                            | 27 September 1994 |
| Nate Hazelwood     | Champaign, Illinois                            | 27 September 1994 |
| Evan Scott         | Champaign, Illinois                            | 27 September 1994 |
| Drew Tyler         | Champaign, Illinois                            | 27 September 1994 |
| Matt Custer        | Champaign, Illinois                            | 27 September 1994 |
| Chelsea Roch       | Champaign, Illinois                            | 27 September 1994 |
| Nicole Dunlap      | Champaign, Illinois                            | 27 September 1994 |
| Melissa Miller     | Champaign, Illinois                            | 27 September 1994 |
| Kacie Slack        | Champaign, Illinois                            | 27 September 1994 |
| Denise Johnson     | Champaign, Illinois                            | 27 September 1994 |
| Julie Staehling    | Champaign, Illinois                            | 27 September 1994 |
| Nina Samii         | Champaign, Illinois                            | 27 September 1994 |
| Naomi Collins      | Champaign, Illinois                            | 27 September 1994 |
| Katy               | Champaign, Illinois                            | 27 September 1994 |
| Cindy              | Champaign, Illinois                            | 27 September 1994 |
| Ernest Delfosse    | USDA, National Biological Control Inst.        | 24 October 1994   |
| V. Tanasijzhuk     | Zoological Institute<br>St. Petersburg, Russia | 7 November 1994   |
| Jeremiah Methven   | Urbana, Illinois                               | 26 November 1994  |
| Andrew Reid        | Gray, Tennessee                                | 26 November 1994  |

## Summary

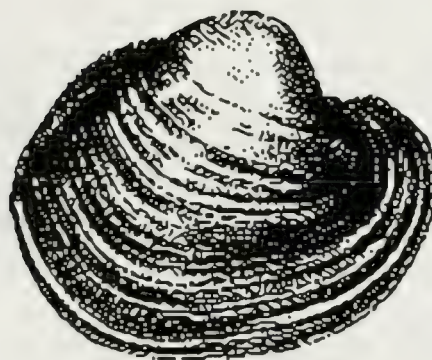
| Year | # of visitors |
|------|---------------|
| 1990 | 60            |
| 1991 | 44            |
| 1992 | 124           |
| 1993 | 133           |
| 1994 | 90            |

Total # of visitors for 1990 - 1994 = 451



## Visitors continued

## Mollusks

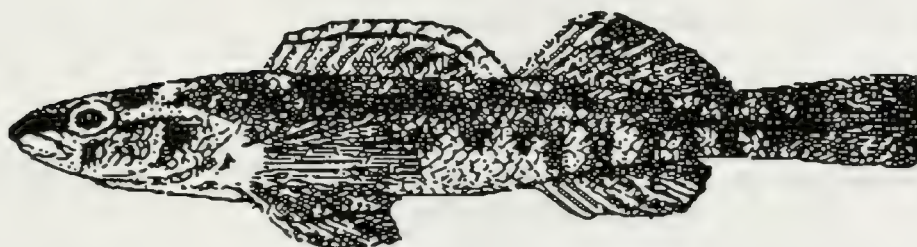
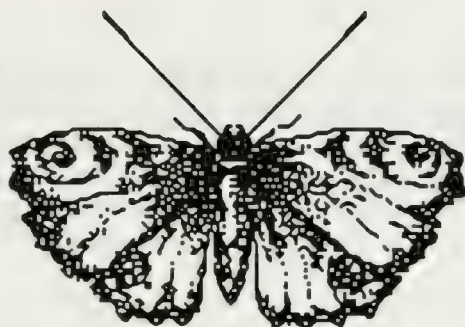
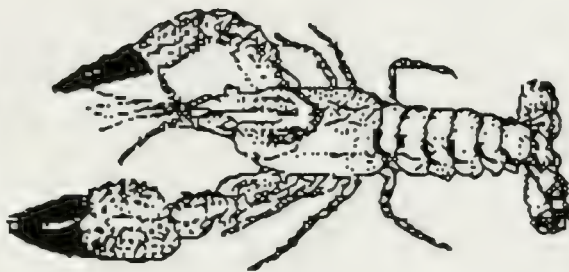
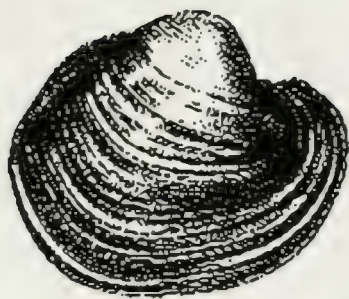


## Visitors:

| <u>Visitor</u>      | <u>Affiliation</u>                          | <u>Date</u> |
|---------------------|---------------------------------------------|-------------|
| Schmidt, A.         | Indiana                                     | 2/2/94      |
| Harmon, J.          | Indiana                                     | 2/2/94      |
| Walker, D.          | Field Museum of Natural History, Chicago    | 5/3/94      |
| Reuter, M.          | Ill. Nature Conservancy, Peoria             | 5/17/94     |
| visitor             | Ill. Nature Conservancy, Chicago            | 5/17/94     |
| King, W.            | Florida Museum of Natural History           | 6/8/94      |
| Allison, A.         | Hawaii Biological Survey                    | 6/8/94      |
| Ruggiero, M.        | National Biological Survey, Washington D.C. | 6/8/94      |
| Waggoner, G.        | National Biological Survey, Colorado        | 6/8/94      |
| Schwegman, J.       | Illinois Department of Conservation         | 6/16/94     |
| Carney, D.A.        | Illinois Department of Conservation         | 6/20/94     |
| Cooper, J.          | Illinois Geological Survey                  | 8/2/94      |
| Farber, M.          | Parkland College, Champaign                 | 8/5/94      |
| Schwegman, J.       | Illinois Department of Conservation         | 8/24/94     |
| Marsh, T.A.         | North Central College                       | 9/2/94      |
| Carney, D.A.        | Illinois Department of Conservation         | 9/7/94      |
| 2 visitors from NIE | Univ. of Illinois at Chicago                | 12/20/94    |



# Computerization

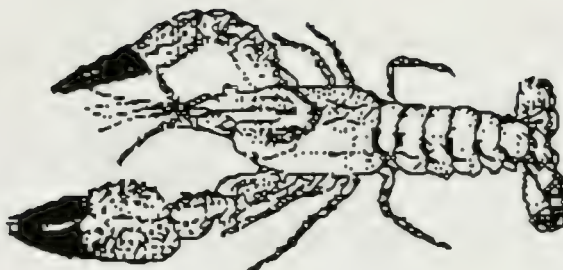






# Computerization

## Crustaceans



### Computerization:

#### A. Progress:

All of the identified and catalogued Crustacea have been computerized. The database is currently being compared to the sorting sheets. Additional data are being added and errors corrected where needed. The database runs on an Apple Macintosh PowerPC computer using Filemaker Pro software developed by Claris Corporation. It is stored on a 250 megabyte hard disk and backed up on a 90 megabyte disk and a server on the INHS Network.

#### B. Breakdown of Fields of Entry:

| Field                             | Entry Requirements                                                                                                                                                                                                                                                         |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CATALOGUE #                       | INHS Catalogue #                                                                                                                                                                                                                                                           |
| SPECIES<br>inter-<br>abbreviated. | Genus and species name. Hybrid entries are designated by an x ; all generic hybrid names are spelled out; intrageneric hybrids can be abbreviated.                                                                                                                         |
| STATUS                            | Abbreviation for state or federal status:<br>SE = state endangered species<br>ST = state threatened species<br>WL = watch listed species<br>C2 = federal candidate species<br>FE = federal endangered species<br>FT = federal threatened species<br>I = introduced species |
| STREAM                            | Includes river, lakes, creek, ponds, etc. No abbreviations in the field except "trib." (trib. Sugar Creek).                                                                                                                                                                |
| DRAINAGE<br>Dr.).                 | Enter in parentheses, abbreviating drainage as Dr. (Illinois River                                                                                                                                                                                                         |
| STREAM CODE                       | Hierarchical 18 digit stream-drainage code.                                                                                                                                                                                                                                |





## Computerization continued

## Crustaceans

RIVER MILE Enter river mile of range of miles (25.4 or 132.4 - 141.0)

COMMON LOCATION A narrative description of the collection site. Do not begin with "at". Always put a zero in front of a decimal point (0.5) but not behind (2 not 2.0). The order of entry should be: distance, direction, location, stream descriptor (4.5 mi ESE Peoria, mouth of Green Creek). Abbreviations to be used in this field are as follows:

|                    |            |
|--------------------|------------|
| Avenue             | Ave.       |
| Highway            | Hwy.       |
| Illinois           | Ill.       |
| Kilometer          | km         |
| Mile or miles      | mi         |
| Mount              | Mt.        |
| North, South, etc. | N, S, E, W |
| Opposite           | opp.       |
| Railroad           | R.R.       |
| River mile         | rm         |
| Road               | Rd.        |
| Route              | Rt.        |
| Saint              | St.        |
| State Route        | SR         |
| Street             | St.        |
| United States      | U.S.       |

Other abbreviations should be cleared with the collections manager (CAM).

TOWNSHIP, RANGE, SEC. Examples: T43N, R5W, sec. 22; NW; T43N, R5W, sec. 5/8

COUNTY Spell out name of county or parish (the word county is not included). Counties that begin with Mc or La are entered without a space (i.e. McHenry or LaSalle). Counties that begin with St. are given a space. Jo Daviess is two words.

COUNTY CODE The county location from the county maps in the collection room.

STATE Spell out the name of the state or province.

COUNTRY Spell out the name of the country. No entry if U.S.

DAY Single collection date - enter number.  
Consecutive collection dates - enter as 23- 24.  
Non-consecutive collection dates - enter as 28 & 4.



## Computerization continued

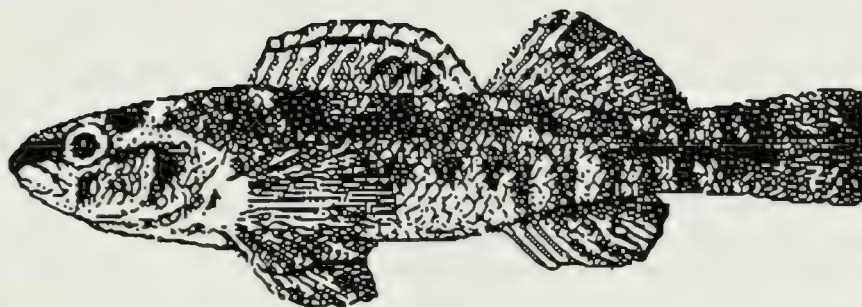
## Crustaceans

|                              |                                                                                                                                                                                   |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MONTH                        | Enter month (spelled out).                                                                                                                                                        |
| ampersand                    | If only the season (i.e. summer) is given, enter here. Enter consecutive collection months with a hyphen, non-consecutive months with an (October- November, October & December). |
| YEAR                         | Year or years.                                                                                                                                                                    |
| COLLECTOR(S)                 | First initial (period) second initial (period)(space) last name.                                                                                                                  |
| Burr, C.A.                   | When multiple collectors are specified on label: L.M. Page, B.M. Taylor & D.A. Carney                                                                                             |
|                              | When multiple collectors are not specified on label: L.M. Page, et al.                                                                                                            |
| # VOUCHERED                  | Number of specimens deposited in the collection. No estimates!                                                                                                                    |
| FEMALES,                     | Other fields include: INSTARS MALE, JUV. MALE, FORM I MALE, FORM II MALE, TOTAL MALES, INSTARS FEMALE, JUV. FORM II FEMALES, JUV. UNDETERMINED                                    |
| SPECIES PER SITE specimens). | All species collected at a site on the same day (includes discarded                                                                                                               |
| REMARKS                      | Enter from sorting sheet.                                                                                                                                                         |
| LATITUDE                     | Example: 8° 7' 20" N                                                                                                                                                              |
| LONGITUDE                    | Example: 66° 33' 10" W                                                                                                                                                            |
| BORDER RECORDS Wabash River  | Enter corresponding Illinois county for Mississippi, Ohio, and records from states that border Illinois                                                                           |
| FIELD #                      | Enter field # of site (LMP 93-2 or CSLO 7).                                                                                                                                       |
| TYPES                        | Enter kind of type (i.e. holotype).                                                                                                                                               |
| JAR SIZE                     | vial, 2 oz., 8 oz., 16 oz., 32 oz., 64 oz., 132 oz.                                                                                                                               |
| DATE OF ENTRY                | Auto-entered.                                                                                                                                                                     |



## Computerization continued

### Fish



#### Computerization:

##### A. Progress:

Computerization of the Fish Collection began in 1974 and was completed in 1990. Verification of the computer database to the actual specimens is ongoing. The database runs on an Apple Macintosh PowerPC computer using Filemaker Pro software developed by Claris™ Corporation. It is stored on a 250 megabyte hard disk and backed up on a 90 megabyte disk and a server on the INHS Network.

##### B. Breakdown of Fields of Entry:

| Field                             | Entry Requirements                                                                                                                                                                                                                                                         |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CATALOGUE #                       | INHS Catalogue #                                                                                                                                                                                                                                                           |
| SPECIES<br>inter-<br>abbreviated. | Genus and species name. Hybrid entries are designated by an x ; all generic hybrid names are spelled out; intrageneric hybrids can be                                                                                                                                      |
| STATUS                            | Abbreviation for state or federal status:<br>SE = state endangered species<br>ST = state threatened species<br>WL = watch listed species<br>C2 = federal candidate species<br>FE = federal endangered species<br>FT = federal threatened species<br>I = introduced species |
| STREAM                            | Includes river, lakes, creek, ponds, etc. No abbreviations in the field except "trib." (trib. Sugar Creek).                                                                                                                                                                |
| DRAINAGE<br>Dr.).                 | Enter in parentheses, abbreviating drainage as Dr. (Illinois River                                                                                                                                                                                                         |
| STREAM CODE                       | Hierarchical 18 digit stream-drainage code.                                                                                                                                                                                                                                |





# Computerization continued

## Fish

**RIVER MILE** Enter river mile of range of miles (25.4 or 132.4 - 141.0)

**COMMON LOCATION** A narrative description of the collection site. Do not begin with "at". Always put a zero in front of a decimal point (0.5) but not behind (2 not 2.0). The order of entry should be: distance, direction, location, stream descriptor (4.5 mi ESE Peoria, mouth of Green Creek). Abbreviations to be used in this field are as follows:

|                    |            |
|--------------------|------------|
| Avenue             | Ave.       |
| Highway            | Hwy.       |
| Illinois           | Ill.       |
| Kilometer          | km         |
| Mile or miles      | mi         |
| Mount              | Mt.        |
| North, South, etc. | N, S, E, W |
| Opposite           | opp.       |
| Railroad           | R.R.       |
| River mile         | rm         |
| Road               | Rd.        |
| Route              | Rt.        |
| Saint              | St.        |
| State Route        | SR         |
| Street             | St.        |
| United States      | U.S.       |

Other abbreviations should be cleared with the collections manager (CAM).

**TOWNSHIP, RANGE, SEC.** Examples: T43N, R5W, sec. 22, NW; T43N, R5W, sec. 5/8

**COUNTY** Spell out name of county or parish (the word county is not included). Counties that begin with Mc or La are entered without a space (i.e. McHenry or LaSalle). Counties that begin with St. are given a space. Jo Daviess is two words.

**COUNTY CODE** The county location from the county maps in the collection room.

**STATE** Spell out the name of the state or province.

**COUNTRY** Spell out the name of the country. No entry if U.S.

**DAY** Single collection date - enter number.  
Consecutive collection dates - enter as 23- 24.  
Non-consecutive collection dates - enter as 28 & 4.



## Computerization continued

## Fish

| MONTH                           | Enter month (spelled out).<br>If only the season (i.e. summer) is given, enter here. Enter consecutive collection months with a hyphen, non-consecutive months with an ampersand (October- November, October & December).                                                                                                                                   |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|-------|------|-------|---|--------|---|--------|---|--------|---|---------|---|----------|--------------------|
| YEAR                            | Year or years.                                                                                                                                                                                                                                                                                                                                              |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |
| COLLECTOR(S)                    | First initial (period) second initial (period)(space) last name.<br>When multiple collectors are specified on label: L.M. Page, B.M. Sabaj & D.A. Carney<br>When multiple collectors are not specified on label: L.M. Page, et al.                                                                                                                          |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |
| # VOUCHERED                     | Number of specimens deposited in the collection. No estimates!                                                                                                                                                                                                                                                                                              |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |
| SPECIES PER SITE<br>specimens). | All species collected at a site on the same day (includes discarded specimens).                                                                                                                                                                                                                                                                             |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |
| REMARKS                         | Enter from sorting sheet.                                                                                                                                                                                                                                                                                                                                   |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |
| DET.                            | Name of person who identified specimen followed by month and year (K.S. Cummings 5-93).                                                                                                                                                                                                                                                                     |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |
| LATITUDE                        | Example: 8° 7' 20" N                                                                                                                                                                                                                                                                                                                                        |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |
| LONGITUDE                       | Example: 66° 33' 10" W                                                                                                                                                                                                                                                                                                                                      |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |
| BORDER RECORDS<br>Wabash River  | Enter corresponding Illinois county for Mississippi, Ohio, and records from states that border Illinois                                                                                                                                                                                                                                                     |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |
| FIELD #                         | Enter field # of site (LMP 93-2 or CSLO 7).                                                                                                                                                                                                                                                                                                                 |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |
| TYPES                           | Enter kind of type (i.e. holotype).                                                                                                                                                                                                                                                                                                                         |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |
| JAR SIZE                        | <table> <tr> <th><u>JAR SIZE</u></th><th><u>CODE</u></th></tr> <tr> <td>2 oz.</td><td>none</td></tr> <tr> <td>8 oz.</td><td>L</td></tr> <tr> <td>16 oz.</td><td>P</td></tr> <tr> <td>32 oz.</td><td>P</td></tr> <tr> <td>64 oz.</td><td>P</td></tr> <tr> <td>132 oz.</td><td>G</td></tr> <tr> <td>&gt;132 oz.</td><td>T (tagged in tank)</td></tr> </table> | <u>JAR SIZE</u> | <u>CODE</u> | 2 oz. | none | 8 oz. | L | 16 oz. | P | 32 oz. | P | 64 oz. | P | 132 oz. | G | >132 oz. | T (tagged in tank) |
| <u>JAR SIZE</u>                 | <u>CODE</u>                                                                                                                                                                                                                                                                                                                                                 |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |
| 2 oz.                           | none                                                                                                                                                                                                                                                                                                                                                        |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |
| 8 oz.                           | L                                                                                                                                                                                                                                                                                                                                                           |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |
| 16 oz.                          | P                                                                                                                                                                                                                                                                                                                                                           |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |
| 32 oz.                          | P                                                                                                                                                                                                                                                                                                                                                           |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |
| 64 oz.                          | P                                                                                                                                                                                                                                                                                                                                                           |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |
| 132 oz.                         | G                                                                                                                                                                                                                                                                                                                                                           |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |
| >132 oz.                        | T (tagged in tank)                                                                                                                                                                                                                                                                                                                                          |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |
| DATE OF ENTRY                   | Auto-entered in Filemaker.                                                                                                                                                                                                                                                                                                                                  |                 |             |       |      |       |   |        |   |        |   |        |   |         |   |          |                    |



## Computerization continued

### Herbarium



#### Computerization:

Presently 42,719 of the 51,242 fungi have been computerized (83%) and 109,508 of the 181,033 vascular plants have been computerized (60.5%). A Macintosh IIfx computer is being used for the computerization and the program is Filemaker Pro. This computerization method is able to capture all the written label information.

#### A. Progress:

| % entered of Fungi % | % entered of Vascular Plants | Year | Total By Year |
|----------------------|------------------------------|------|---------------|
| 71%                  | 15%                          | 1990 | 25,939        |
| 81%                  | 32%                          | 1991 | 29,995        |
| 83%                  | 37%                          | 1992 | 9,934         |
| 83%                  | 47%                          | 1993 | 18,024        |
| 83%                  | 61%                          | 1994 | 25,616        |

#### B. Breakdown of Fields of Entry:

##### 1. Vascular Plants:

#### INHS COLLECTIONS COMPUTERIZATION FOR VASCULAR PLANTS, ALGAE AND BRYOPHYTES

| Field    | Entry Requirements                                                                                                                                                                                                                                                                                                                                                                                        |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FAMILY # | Family numerical acronym                                                                                                                                                                                                                                                                                                                                                                                  |
| FAMILY   | Family Name (according to Engler and Prantl system)<br>for those families with two correct scientific names always utilize the name with the -aceae ending<br>Apiaceae -not- Umbelliferae<br>Arecaceae -not- Palmae<br>Asteraceae -not- Compositae<br>Brassicaceae -not- Cruciferae<br>Fabaceae -not- Leguminosae<br>Hypericaceae -not- Guttiferae<br>Lamiaceae -not- Labiatae<br>Poaceae -not- Gramineae |



## Computerization continued

## Herbarium

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GENUS              | genus name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SPECIES NAME       | specific epithet name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| AUTH.              | authority name (may be abbreviated as in book)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| S/V/F              | subspecies      use      ssp.<br>variety          use      var.<br>forma            use      f.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| TAXON              | enter appropriate name (ssp. <u>name</u> or var. <u>name</u> or f. <u>name</u> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| AUTHOR<br>CULTIVAR | authority name for the ssp. name or var. name or f. name<br>if cultivated plant then put cultivar name if known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| STATE              | spell out name of the state or province                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| CO.                | spell out name of county or parish, please follow the spelling as recorded on the attached sheet, do not abbreviate any county names or any part of a county name. The word county is not included as part of this field, the word county is automatically entered if a county or parish name is entered.                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| T/R/S              | examples:      T. 2N, R. 8W, NE1/4 NE1/4 SECT. 25<br>T. 2N, R. 8W, Sect. 25 & 26<br>leave this field blank if this information is not provided by the collector.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| LAT/LONG           | examples;      41°N. Lat. 88°W. Long.<br>41° 9' 20" N. Lat. 88° 27' 15" W. Long.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| LOCALITY           | A narrative description of the collection site, always put a zero in front of decimal points, but not behind (example 0.25 mile NOT 2.0 mile). No fractions (example 0.5 mile NOT 1/2 mile, 2.25 mile NOT 2 1/4 mile). Use digit not word descriptions for a number (example 7 mile north of Champaign NOT Seven mile north of Champaign). No abbreviations except those listed below or when abbreviations used by the collector are not understood and should be entered as used by the collector. (example southeast NOT SE, mile NOT M., Central Illinois Railroad NOT CIRR).<br><br>only the following abbreviations are to be used<br><br>U.S. D.B.H. U.S.G.S.<br><br>any other abbreviations should be cleared with collection manager (Loy R.. Phillippe) |





# Computerization continued

## Herbarium

|               |                                                                                                                                                                                                                                                                        |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HABITAT       | narrative description of the habitat. Also this field may be used for comments (example: common, flowers white, cultivated).                                                                                                                                           |
| COLLECTOR(S)  | Enter name as shown on attached list (example: R.A. Evers, not R. A. Evers and not Robert A. Evers). Enter all the collectors names.                                                                                                                                   |
| COLL.#        | enter number (example 115272 OR C-194). When collecting number not given then enter s.n.                                                                                                                                                                               |
| DATE          | Day Month Year (Example 5 March 1949 NOT 3/5/49) if no date is given then enter No Date.                                                                                                                                                                               |
| DET.          | Enter individual that identified the specimen and year of determination. Must put Det.: in front of the one that identifies the specimen (example Det.: Loy R. Phillippe, (ILLS) 1991). Place determiners in order with most recent determinations first (at the top). |
| ACC. NO.      | Enter ILLS vascular plant specimen number. The number located on herbarium sheet within the map of Illinois, not on the collector's label.                                                                                                                             |
| CALC COUNTY   | Do not enter anything in this space. This enters county automatically when a county name is entered in the county field. If no county is entered in the county field then the word county is omitted automatically.                                                    |
| SERIAL NUMBER | Do not enter here, this counts number of specimens entered.                                                                                                                                                                                                            |
| COUNTRY       | If specimen is collected in the United States then leave this space blank. If specimen from outside the United States then enter the name of that country here.                                                                                                        |
| STATUS        | Do not enter anything here, this will be completed at the end of the computerization of the entire herbarium.                                                                                                                                                          |



# Computerization continued

## Amphibians & Reptiles



### Computerization:

#### A. Progress:

Computerization of the Herpetological Collection began in 1984 and was completed in 1990. Verification of the computer database to the actual specimens is ongoing and should be completed in the next few years. The database runs on an Apple Macintosh PowerPC computer using Filemaker Pro software developed by Claris™ Corporation. It is stored on a 250 megabyte hard disk and backed up on a 90 megabyte disk and a server on the INHS Network.

#### B. Breakdown of Fields of Entry:

| Field                             | Entry Requirements                                                                                                                                                                                                                                                         |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CATALOGUE #                       | INHS Catalogue #                                                                                                                                                                                                                                                           |
| FAMILY                            | Family name                                                                                                                                                                                                                                                                |
| SPECIES<br>inter-<br>abbreviated. | Genus and species name. Hybrid entries are designated by an x ; all generic hybrid names are spelled out; intrageneric hybrids can be                                                                                                                                      |
| SUBSPECIES                        | Subspecies when appropriate.                                                                                                                                                                                                                                               |
| STATUS                            | Abbreviation for state or federal status:<br>SE = state endangered species<br>ST = state threatened species<br>WL = watch listed species<br>C2 = federal candidate species<br>FE = federal endangered species<br>FT = federal threatened species<br>I = introduced species |
| STREAM                            | Includes river, lakes, creek, ponds, etc. No abbreviations in the field except "trib." (trib. Sugar Creek).                                                                                                                                                                |



# Computerization continued

## Amphibians & Reptiles

**COMMON LOCATION** A narrative description of the collection site. Do not begin with "at". Always put a zero in front of a decimal point (0.5) but not behind (2 not 2.0). The order of entry should be: distance, direction, location, stream descriptor (4.5 mi ESE Peoria, mouth of Green Creek). Abbreviations to be used in this field are as follows:

|                    |            |
|--------------------|------------|
| Avenue             | Ave.       |
| Highway            | Hwy.       |
| Illinois           | Ill.       |
| Kilometer          | km         |
| Mile or miles      | mi         |
| Mount              | Mt.        |
| North, South, etc. | N, S, E, W |
| Opposite           | opp.       |
| Railroad           | R.R.       |
| River mile         | rm         |
| Road               | Rd.        |
| Route              | Rt.        |
| Saint              | St.        |
| State Route        | SR         |
| Street             | St.        |
| United States      | U.S.       |

Other abbreviations should be cleared with the collections manager (CAM).

**TOWNSHIP,  
RANGE, SECTION** Examples: T43N, R5W, sec. 22, NW; T43N, R5W, sec. 5/8

**COUNTY** Spell out name of county or parish (the word county is not included). Counties that begin with Mc or La are entered without a space (i.e. McHenry or LaSalle). Counties that begin with St. are given a space. Jo Daviess is two words.

**STATE** Spell out the name of the state or province.

**COUNTRY** Spell out the name of the country. No entry if U.S.

**DAY** Single collection date - enter number.  
Consecutive collection dates - enter as 23- 24.  
Non-consecutive collection dates - enter as 28 & 4.

**MONTH** Enter month (spelled out).  
If only the season (i.e. summer) is given, enter here. Enter consecutive collection months with a hyphen, non-consecutive months with an ampersand (October- November, October & December).

**YEAR** Year or years.





## Computerization continued

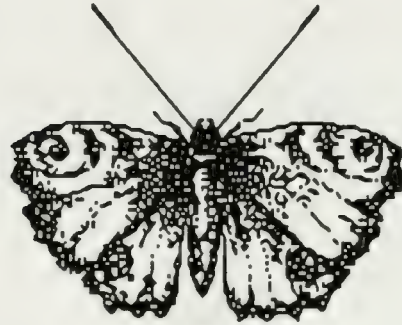
## Amphibians &amp; Reptiles

|                                |                                                                                                                                                                                                                                       |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COLLECTOR(S)                   | First initial (period) second initial (period)(space) last name.<br>When multiple collectors are specified on label: L.M. Page, B.M. Phillips & D.A. Carney<br>When multiple collectors are not specified on label: L.M. Page, et al. |
| Burr, C.A.                     |                                                                                                                                                                                                                                       |
| # VOUCHERED                    | Number of specimens deposited in the collection. No estimates!                                                                                                                                                                        |
| REMARKS                        | Enter from sorting sheet.                                                                                                                                                                                                             |
| DET.                           | Name of person who identified specimen followed by month and year (C.A. Phillips 5-93).                                                                                                                                               |
| LATITUDE                       | Example: 8° 7' 20" N                                                                                                                                                                                                                  |
| LONGITUDE                      | Example: 66° 33' 10" W                                                                                                                                                                                                                |
| BORDER RECORDS<br>Wabash River | Enter corresponding Illinois county for Mississippi, Ohio, and records from states that border Illinois                                                                                                                               |
| FIELD #                        | Enter field # of site (LMP 93-2 or CSLO 7).                                                                                                                                                                                           |
| TYPES                          | Enter kind of type (i.e. holotype).                                                                                                                                                                                                   |
| JAR SIZE                       | 2 oz., 8 oz., 16 oz., 32 oz., 64 oz., 132 oz., BB (blue barrel), BJ (bell jar), T (tagged)                                                                                                                                            |
| DATE OF ENTRY                  | Auto-entered.                                                                                                                                                                                                                         |



## Computerization continued

### Insects



#### Computerization:

##### Plecoptera

Stoneflies are excellent environmental indicators of stream quality. Currently, D. W. Webb and M. A. Harris are collecting stoneflies in Illinois. By comparing populations of the Plecoptera from the late 1920s to the present, they hope to provide an assessment of the current ecological health of the state's waterways. The stonefly locality and identification information is currently being entered into a Filemaker database and will be transferred to Fox Base+/Mac<sup>®</sup> relational database program. At the end of January 1995, 13,320 vials (estimated 67,000 specimens) had been entered into the database.

##### Homoptera

The main components of the 210,000 identified Homoptera in the collection include the leafhoppers, aphids, and scale insects. The Survey collection was the basis for the faunal study of Illinois aphids by Hottis and Frison (1931) and of leafhoppers by D. M. DeLong. Every species of aphids in the collection (over 1,000 species) has been entered into an Excel program by D.J. Voegtlin.

##### Lepidoptera

In 1990 the Illinois Lepidoptera database was created by G. L. Godfrey and E. D. Cashatt. The data in dBase is being transferred into Fox Base+/Mac<sup>®</sup>, a relational database program. This database contains 22,935 records obtained by 1,111 collectors between 1873-1993 from 931 localities.

##### Hymenoptera

W. E. LaBerge is now working on the Bees of Mexico, funded by the National Science Foundation. From this study an estimated 30,000 bees will be deposited into the insect collection, with the locality and identification information entered into a Fox Base+/Mac<sup>®</sup> relational database program.



# Computerization continued

## Mammals



### Computerization:

#### A. Progress:

Computerization of the Mammal Collection began and was completed in 1990. The database is in the process being compared to the specimens. The database runs on an Apple Macintosh PowerPC using Filemaker Pro software developed by Claris™ Corporation. It is stored on a 250 megabyte hard disk and backed up on a 90 megabyte disk and a server on the INHS Network.

#### B. Breakdown of Fields of Entry:

| Field                             | Entry Requirements                                                                                                                                                                                                                                                         |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CATALOGUE #                       | INHS Catalogue #                                                                                                                                                                                                                                                           |
| SPECIES<br>inter-<br>abbreviated. | Genus and species name. Hybrid entries are designated by an x ; all generic hybrid names are spelled out; intrageneric hybrids can be abbreviated.                                                                                                                         |
| STATUS                            | Abbreviation for state or federal status:<br>SE = state endangered species<br>ST = state threatened species<br>WL = watch listed species<br>C2 = federal candidate species<br>FE = federal endangered species<br>FT = federal threatened species<br>I = introduced species |



# Computerization continued

## Mammals

**COMMON LOCATION** A narrative description of the collection site. Do not begin with "at". Always put a zero in front of a decimal point (0.5) but not behind (2 not 2.0). The order of entry should be: distance, direction, location, stream descriptor (4.5 mi ESE Peoria, mouth of Green Creek). Abbreviations to be used in this field are as follows:

|                    |            |
|--------------------|------------|
| Avenue             | Ave.       |
| Highway            | Hwy.       |
| Illinois           | Ill.       |
| Kilometer          | km         |
| Mile or miles      | mi         |
| Mount              | Mt.        |
| North, South, etc. | N, S, E, W |
| Opposite           | opp.       |
| Railroad           | R.R.       |
| River mile         | rm         |
| Road               | Rd.        |
| Route              | Rt.        |
| Saint              | St.        |
| State Route        | SR         |
| Street             | St.        |
| United States      | U.S.       |

Other abbreviations should be cleared with the collections manager (KSC).

**TOWNSHIP,  
RANGE, SECTION**

Examples: T43N, R5W, sec. 22, NW  
T43N, R5W, sec. 5/8

**COUNTY**  
(included).  
(i.e.  
space.

Spell out name of county or parish (the word county is not  
Counties that begin with Mc or La are entered without a space  
McHenry or LaSalle). Counties that begin with St. are given a  
Jo Daviess is two words.

**STATE**

Spell out the name of the state or province.

**COUNTRY**

Spell out the name of the country. No entry if U.S.

**DAY**

Single collection date - enter number.  
Consecutive collection dates - enter as 23- 24.  
Non-consecutive collection dates - enter as 28 & 4.

**MONTH**

Enter month (spelled out).  
If only the season (i.e. summer) is given, enter here. Enter consecutive  
collection months with a hyphen, non-consecutive months with an  
(October- November, October & December).

**ampersand**

**YEAR**

Year or years.





## Computerization continued

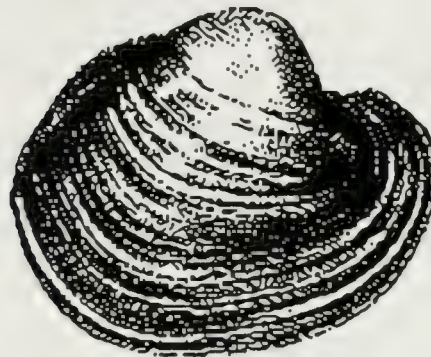
## Mammals

|               |                                                                                                                                                                                                                                       |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COLLECTOR(S)  | First initial (period) second initial (period)(space) last name.<br>When multiple collectors are specified on label: L.M. Page, B.M. Cummings & D.A. Carney<br>When multiple collectors are not specified on label: L.M. Page, et al. |
| Burr, K.S.    |                                                                                                                                                                                                                                       |
| # SKINS       | Number of skins deposited.                                                                                                                                                                                                            |
| # SKULLS      | Number of skulls deposited.                                                                                                                                                                                                           |
| REMARKS       | Enter from sorting sheet.                                                                                                                                                                                                             |
| LATITUDE      | Example: 8° 7' 20" N                                                                                                                                                                                                                  |
| LONGITUDE     | Example: 66° 33' 10" W                                                                                                                                                                                                                |
| FIELD #       | Enter field # of site (LMP 93-2 or CSLO 7).                                                                                                                                                                                           |
| DATE OF ENTRY | Auto-entered in Filemaker.                                                                                                                                                                                                            |



# Computerization continued

## Mollusks



### Computerization:

#### A. Progress:

All of the catalogued freshwater mussels and land snails have been computerized. Computerization of the fingernail clam and aquatic snails is an ongoing project. The database runs on an Apple Macintosh PowerPC computer using Filemaker Pro software developed by Claris™ Corporation. It is stored on a 250 megabyte hard disk and backed up on a 90 megabyte disk and a server on the INHS Network.

#### B. Breakdown of Fields of Entry:

| Field                             | Entry Requirements                                                                                                                                                                                                                                                         |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CATALOGUE #                       | INHS Catalogue #                                                                                                                                                                                                                                                           |
| SPECIES<br>inter-<br>abbreviated. | Genus and species name. Hybrid entries are designated by an x ; all generic hybrid names are spelled out; intrageneric hybrids can be                                                                                                                                      |
| STATUS                            | Abbreviation for state or federal status:<br>SE = state endangered species<br>ST = state threatened species<br>WL = watch listed species<br>C2 = federal candidate species<br>FE = federal endangered species<br>FT = federal threatened species<br>I = introduced species |
| STREAM                            | Includes river, lakes, creek, ponds, etc. No abbreviations in the field except "trib." (trib. Sugar Creek).                                                                                                                                                                |
| DRAINAGE<br>Dr.).                 | Enter in parentheses, abbreviating drainage as Dr. (Illinois River                                                                                                                                                                                                         |



# Computerization continued

## Mollusks

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |      |         |      |          |      |           |    |               |    |       |     |                    |            |          |      |          |      |            |    |      |     |       |     |       |     |             |    |        |     |               |      |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|---------|------|----------|------|-----------|----|---------------|----|-------|-----|--------------------|------------|----------|------|----------|------|------------|----|------|-----|-------|-----|-------|-----|-------------|----|--------|-----|---------------|------|
| STREAM CODE        | Hierarchical 18 digit stream-drainage code.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |      |         |      |          |      |           |    |               |    |       |     |                    |            |          |      |          |      |            |    |      |     |       |     |       |     |             |    |        |     |               |      |
| RIVER MILE         | Enter river mile of range of miles (25.4 or 132.4 - 141.0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |      |         |      |          |      |           |    |               |    |       |     |                    |            |          |      |          |      |            |    |      |     |       |     |       |     |             |    |        |     |               |      |
| COMMON LOCATION    | <p>A narrative description of the collection site. Do not begin with "at". Always put a zero in front of a decimal point (0.5) but not behind (2 not 2.0). The order of entry should be: distance, direction, location, stream descriptor (4.5 mi ESE Peoria, mouth of Green Creek). Abbreviations to be used in this field are as follows:</p> <table> <tr><td>Avenue</td><td>Ave.</td></tr> <tr><td>Highway</td><td>Hwy.</td></tr> <tr><td>Illinois</td><td>Ill.</td></tr> <tr><td>Kilometer</td><td>km</td></tr> <tr><td>Mile or miles</td><td>mi</td></tr> <tr><td>Mount</td><td>Mt.</td></tr> <tr><td>North, South, etc.</td><td>N, S, E, W</td></tr> <tr><td>Opposite</td><td>opp.</td></tr> <tr><td>Railroad</td><td>R.R.</td></tr> <tr><td>River mile</td><td>rm</td></tr> <tr><td>Road</td><td>Rd.</td></tr> <tr><td>Route</td><td>Rt.</td></tr> <tr><td>Saint</td><td>St.</td></tr> <tr><td>State Route</td><td>SR</td></tr> <tr><td>Street</td><td>St.</td></tr> <tr><td>United States</td><td>U.S.</td></tr> </table> | Avenue | Ave. | Highway | Hwy. | Illinois | Ill. | Kilometer | km | Mile or miles | mi | Mount | Mt. | North, South, etc. | N, S, E, W | Opposite | opp. | Railroad | R.R. | River mile | rm | Road | Rd. | Route | Rt. | Saint | St. | State Route | SR | Street | St. | United States | U.S. |
| Avenue             | Ave.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |      |         |      |          |      |           |    |               |    |       |     |                    |            |          |      |          |      |            |    |      |     |       |     |       |     |             |    |        |     |               |      |
| Highway            | Hwy.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |      |         |      |          |      |           |    |               |    |       |     |                    |            |          |      |          |      |            |    |      |     |       |     |       |     |             |    |        |     |               |      |
| Illinois           | Ill.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |      |         |      |          |      |           |    |               |    |       |     |                    |            |          |      |          |      |            |    |      |     |       |     |       |     |             |    |        |     |               |      |
| Kilometer          | km                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |      |         |      |          |      |           |    |               |    |       |     |                    |            |          |      |          |      |            |    |      |     |       |     |       |     |             |    |        |     |               |      |
| Mile or miles      | mi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |      |         |      |          |      |           |    |               |    |       |     |                    |            |          |      |          |      |            |    |      |     |       |     |       |     |             |    |        |     |               |      |
| Mount              | Mt.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |      |         |      |          |      |           |    |               |    |       |     |                    |            |          |      |          |      |            |    |      |     |       |     |       |     |             |    |        |     |               |      |
| North, South, etc. | N, S, E, W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |      |         |      |          |      |           |    |               |    |       |     |                    |            |          |      |          |      |            |    |      |     |       |     |       |     |             |    |        |     |               |      |
| Opposite           | opp.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |      |         |      |          |      |           |    |               |    |       |     |                    |            |          |      |          |      |            |    |      |     |       |     |       |     |             |    |        |     |               |      |
| Railroad           | R.R.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |      |         |      |          |      |           |    |               |    |       |     |                    |            |          |      |          |      |            |    |      |     |       |     |       |     |             |    |        |     |               |      |
| River mile         | rm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |      |         |      |          |      |           |    |               |    |       |     |                    |            |          |      |          |      |            |    |      |     |       |     |       |     |             |    |        |     |               |      |
| Road               | Rd.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |      |         |      |          |      |           |    |               |    |       |     |                    |            |          |      |          |      |            |    |      |     |       |     |       |     |             |    |        |     |               |      |
| Route              | Rt.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |      |         |      |          |      |           |    |               |    |       |     |                    |            |          |      |          |      |            |    |      |     |       |     |       |     |             |    |        |     |               |      |
| Saint              | St.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |      |         |      |          |      |           |    |               |    |       |     |                    |            |          |      |          |      |            |    |      |     |       |     |       |     |             |    |        |     |               |      |
| State Route        | SR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |      |         |      |          |      |           |    |               |    |       |     |                    |            |          |      |          |      |            |    |      |     |       |     |       |     |             |    |        |     |               |      |
| Street             | St.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |      |         |      |          |      |           |    |               |    |       |     |                    |            |          |      |          |      |            |    |      |     |       |     |       |     |             |    |        |     |               |      |
| United States      | U.S.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |      |         |      |          |      |           |    |               |    |       |     |                    |            |          |      |          |      |            |    |      |     |       |     |       |     |             |    |        |     |               |      |

Other abbreviations should be cleared with the collections manager (CAM).

TOWNSHIP, RANGE, SEC. Examples: T43N, R5W, sec. 22, NW; T43N, R5W, sec. 5/8

COUNTY Spell out name of county or parish (the word county is not included). Counties that begin with Mc or La are entered without a space (i.e. McHenry or LaSalle). Counties that begin with St. are given a space. Jo Daviess is two words.

COUNTY CODE The county location from the county maps in the collection room.

STATE Spell out the name of the state or province.

COUNTRY Spell out the name of the country. No entry if U.S.

DAY Single collection date - enter number.  
Consecutive collection dates - enter as 23- 24.  
Non-consecutive collection dates - enter as 28 & 4.





## Computerization continued

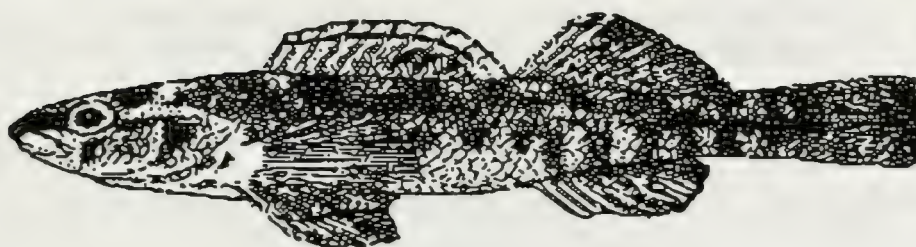
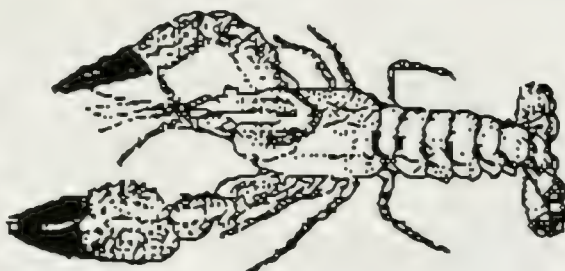
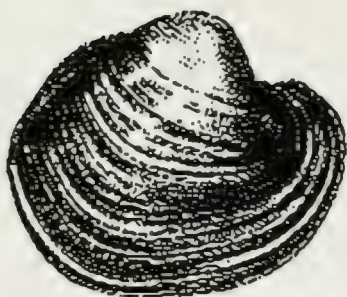
## Mollusks

|                  |                                                                                                                                                                                                                                       |             |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| MONTH            | Enter month (spelled out).<br>If only the season (i.e. summer) is given, enter here. Enter consecutive collection months with a hyphen, non-consecutive months with an ampersand (October- November, October & December).             |             |
| YEAR             | Year or years.                                                                                                                                                                                                                        |             |
| COLLECTOR(S)     | First initial (period) second initial (period)(space) last name.<br>When multiple collectors are specified on label: L.M. Page, B.M. Cummings & D.A. Carney<br>When multiple collectors are not specified on label: L.M. Page, et al. |             |
| # VOUCHERED      | Number of specimens deposited in the collection. No estimates!<br>Other fields include descriptions of the condition of the animal (live, dead, etc.)                                                                                 |             |
| SPECIES PER SITE | All species collected at a site on the same day (includes discarded specimens).                                                                                                                                                       |             |
| REMARKS          | Enter from sorting sheet.                                                                                                                                                                                                             |             |
| SPECIMEN REMARKS | Comments that pertain directly to that specimen or lot.                                                                                                                                                                               |             |
| DET.             | Name of person who identified specimen followed by month and year                                                                                                                                                                     |             |
| LATITUDE         | Example: 8° 7' 20" N                                                                                                                                                                                                                  |             |
| LONGITUDE        | Example: 66° 33' 10" W                                                                                                                                                                                                                |             |
| BORDER RECORDS   | Enter corresponding Illinois county for Mississippi, Ohio, and Wabash River records from states that border Illinois                                                                                                                  |             |
| FIELD #          | Enter field # of site (LMP 93-2 or CSLO 7).                                                                                                                                                                                           |             |
| TYPES            | Enter kind of type (i.e. holotype).                                                                                                                                                                                                   |             |
| JAR SIZE         | <u>JAR SIZE</u>                                                                                                                                                                                                                       | <u>CODE</u> |
|                  | 2 oz.                                                                                                                                                                                                                                 | none        |
|                  | 8 oz.                                                                                                                                                                                                                                 | L           |
|                  | 16 oz.                                                                                                                                                                                                                                | P           |
|                  | 32 oz.                                                                                                                                                                                                                                | P           |
|                  | 64 oz.                                                                                                                                                                                                                                | P           |
|                  | 132 oz.                                                                                                                                                                                                                               | G           |

DATE OF ENTRY      Auto-entered in Filemaker.



## References citing use of collections





## References citing use of collections

### Herbarium



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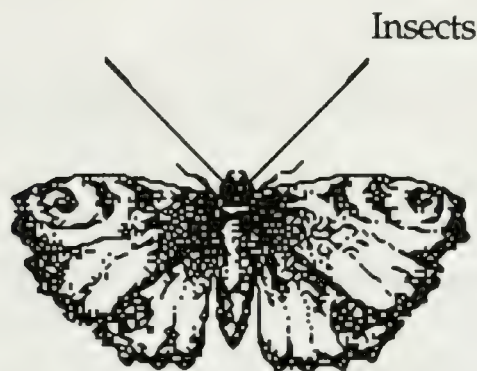
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